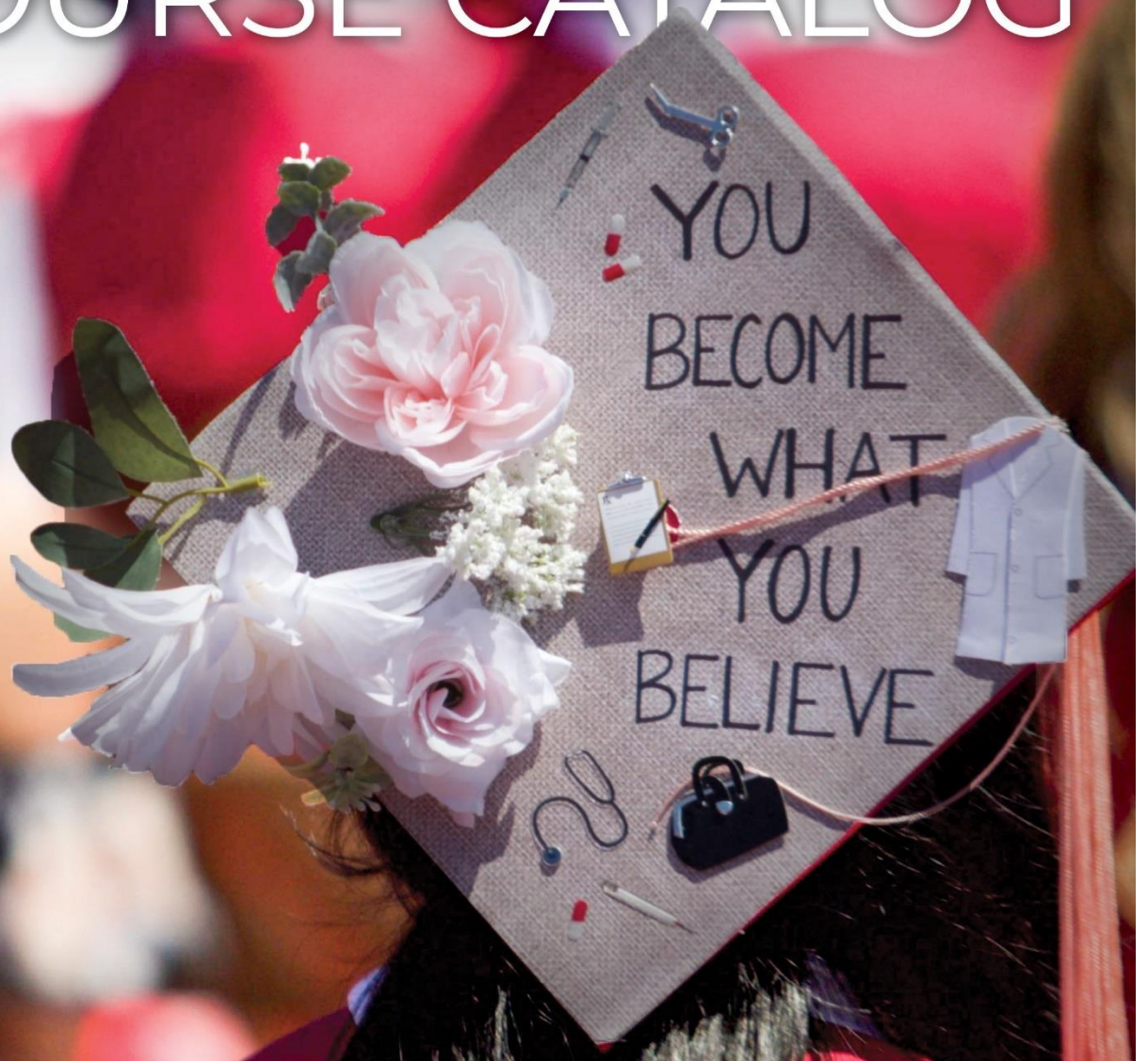


WESTERN OREGON UNIVERSITY **2023-24**

# COURSE CATALOG



[catalog.wou.edu](https://catalog.wou.edu)

<b>Admissions</b>		Course Numbering System	25
Undergraduate Admissions	5	Grading	26
Advanced Placement	5	Institutional FERPA Policies	26
Application Procedures	7	Refunds	27
International Student Admissions	11	Registration	27
Transfer Students	14	Students' Responsibilities for Registration	27
Graduate Admissions	15	Withdrawal	27
<b>Paying for College</b>		Graduate Regulations	29
Financial Aid	17	Undergraduate Regulations	35
Applying for Aid	17	<b>Baccalaureate Requirements</b>	
Financial Aid programs	17	Undergraduate Learning Outcomes	45
<b>Student Involvement</b>		General Education Learning Outcomes	45
Leadership Development	18	Degrees	45
Honor Societies	18	Minor	46
Intercollegiate Athletics	19	University Graduation Requirements	47
<b>Academic Resources</b>		<b>General Education Requirements</b>	
International Education and Development	20	B.A.S in Liberal Studies Core, and	
Student Services	20	B.A.S. Core	47
<b>University Policies</b>		B.A., B.F.A., and B.S. Core	48
Accreditation	21	B.M. Core	48
Affirmative Action	21	Honors Candidates	49
Campus Security Act and Fire Safety		Honors Core	49
Act Notice	21	Approved General Education Courses	49
Catalog Information	21	<b>What's New</b>	58
Commitment to Diversity	21	<b>Academic Programs</b>	
Consensual Relationships Statement	22	College of Education	57
Drug-Free School Policy	22	College of Liberal Arts and Sciences	58
Statement on Discrimination, including		Graduate Programs	61
Sexual Harassment	22	<b>Programs</b>	62
Student Right to Know	23	<b>Course Descriptions</b>	237
University Communication Policy	23	<b>About WOU</b>	488
University System Social Security Number		WOU Board of Trustees	489
Disclosure Consent Statement	23	President	489
Veteran Administration (VA) Standards	23	President's Senior Leadership	489
WICHE State Authorization Reciprocity		Deans and Associate Provosts	490
Agreement	23	Administrative Directors	490
<b>Academic Regulations</b>		Athletic Directors and Coaches	491
University Regulations	25	Emeritus Faculty and Administrators	491

## President's Message to Students

---

Welcome to Western Oregon University! Our faculty and staff are deeply dedicated to student learning and student success. They do more than teach; they build communities and empower students to have a positive impact on society.

At WOU, students are engaged participants in their own learning. Because of our low student to faculty ratio and our commitment to experiential learning and undergraduate research, students enter an environment where they receive hands-on instruction and are exposed to real-world experiences.

Here, education means more than classroom lectures and final exams. Our students enjoy a variety of learning environments as they develop the skills needed to be successful in their chosen professions. From collaborative project development to community engagement, students have opportunities to work across disciplines and to take control of their own learning. Upon graduation, a WOU student is definitely ready to start a career. But, more importantly, that student is also prepared to travel the multiple roads that open up during a career. Our students know how to innovate, collaborate, adapt, and communicate. Western Oregon University graduates are prepared to build their own futures.

Our students become more than experts in their fields; they learn how to learn. WOU graduates are prepared to adapt to changing environments, engage with diversity, work collaboratively, think creatively, and map out their own paths.

Choose Western Oregon University and take control of your education. We are here for you!



President Jesse Peters

A handwritten signature in blue ink, reading "Jesse Peters".

Jesse Peters  
President  
Western Oregon University

## Our mission

Western Oregon University creates lasting opportunities for student success through transformative education and personalized support.

## Our vision

To become Oregon's campus of choice for students, faculty and staff who seek a student-centered learning community.

Western Oregon University will achieve this vision by:

- Cultivating student success through personalized attention, mentoring and degree attainment.
- Raising awareness of our strengths, successes and contributions to the community through increased public outreach.
- Adapting to the changing world through continuous institutional improvement, evolving pedagogues and expertise, sustained scholarly and creative activities and delivery of critical and innovative programs.
- Aspiring to standards of excellence in all programs.
- Challenging students, faculty and staff to grow profoundly through inspiring, thought-provoking educational experiences.
- Connecting students with communities through engagement in service, experiential learning, creative problem-solving opportunities and cocurricular collaborations.
- Supporting the inclusion of, respect for and appreciation of all communities of students, faculty and staff.
- Promoting the well-being of students, employees and the environment.

## Our values

Our practices are guided by our values:

- Accessibility: Programs, resources, media and structures that support the needs of our community members; affordable cost of attendance; personalized support; welcoming, efficient and user-friendly systems.
- Accountability: Evidence-based decision making, integrity and ethical transparency.
- Collaboration: Effective communication cooperative exploration, problem solving and teamwork; shared governance; dialogue.
- Community: Trustworthy, caring, safe environment for the cultivation of peace, civility and social justice; connections extending beyond the classroom, across campus and into our local and global communities.
- Diversity and Respect: Equity and inclusion; a fundamental basis in human diversity; appreciation for the complexity of the world; strength drawn from our variety of backgrounds, abilities, cultural experiences, identities, knowledge domains and means of expression.
- Empowerment: Knowledge, skills, pathways, technologies and resources for all community members to effectively identify and utilize opportunities; student success in degree attainment; critical thinking.
- Excellence: High standards for teaching, learning, scholarship and service; co-curricular activities; advancement of knowledge, analytical skills, creativity and innovation.
- Sustainability and Stewardship: Leadership in service of the public good; action to improve the health of our planet; responsibility for preserving and enhancing the natural, structural, financial, intellectual and human resources entrusted to us.



# Undergraduate Admissions

## Admissions

Anna Hernandez-Hunter, Director  
wou.edu/admission/  
503-838-8211 (TTY)  
Toll free: 877-877-1593, ext. 1

To attend classes at WOU, students must apply for and receive formal admission. WOU's admission process reflects the institution's strong commitment to providing an excellent student-centered education.

## Freshmen Admission Requirements

### Admission Requirements

To be eligible for admission and to be admitted to freshman standing, students need to fulfill each of the following requirements:

1. Graduate from an accredited high school.
2. Have at least a 3.00 cumulative high school grade-point average.

3. Applicants with a cumulative grade-point average below 3.00 are also required to provide a letter of recommendation from a counselor or teacher who can objectively evaluate their academic preparation and future success at WOU. Applicants have the option to provide a personal statement addressing their academic deficiencies and the specific steps they are pursuing to meet WOU's admission requirements in lieu of a letter of recommendation.

4. Submission of ACT or SAT scores is optional for freshman applicants. Freshman applicants who do not meet the 3.00 grade-point average are encouraged, but not required, to submit ACT or SAT scores.

5. Satisfactorily complete, with a grade of C- or better, 15 subject requirements: (four in English, three in math culminating in algebra II or higher, three in science, three in social science and two in second language (two years

of the same second language required).

Alternatives to 15 subject units:

a. Score an average of 470 or above on the SAT Subject Test in two sections (Math level I or IIC and another test of the student's choice\*). The combined score must be 940 or above for the SAT Subject Test.

\* Applicants taking the SAT Subject Test to meet the second language requirement are required to receive a score of 530 or above in the foreign language section.

b. Make up high school course deficiencies by taking high school or college course(s) for specific subject requirements and achieve a grade of C- or better.

c. Students who do not meet the second language requirement should refer to the second language requirement section.

*Note: If you do not meet these traditional admission requirements or alternatives, please see the comprehensive admission review section or contact Admissions for a review of your eligibility.*

## Advanced Placement Credit

ADVANCED PLACEMENT CREDIT			
Course	Score	Credits Awarded	WOU equivalent(s)
AP Research	3+	4	XFER 1XX
AP Seminar	3+	4	XFER 1XX
Art History	3	4	A 1XX
	4+	8	A 204, A 205 , A 206
Art Studio	3	4	A 1XX
	4+	4	A 130
Art Studio 2-D Design	3	4	A 1XX
	4+	4	A 115

ADVANCED PLACEMENT CREDIT			
Course	Score	Credits Awarded	WOU equivalent(s)
Art Studio 3-D Design	3	4	A 1XX
	4+	4	A 116
Biology	3	12	BI 101, BI 102, BI 103
	4+	12	BI 211, BI 212, BI 213
Calculus AB	3	4	MTH 251
	4+	8	MTH 251, MTH 252
Calculus BC	3	8	MTH 251, MTH 252
	4+	12	MTH 251, MTH 252, MTH 253
Chemistry	3	12	CH 104, CH 105, CH 106
	4+	15	CH 221, CH 222, CH 223
Chinese	3+	12	ML 101, ML 102, ML 103
Comparative Government & Politics	3	4	PS 1XX
	4+	4	PS 204
Computer Science A	3	4	CS 160
	4+	8	CS 160, CS 161
Computer Science Principles	3+	4	CS 160
English Language and Composition	3+	4	WR 121Z
English Literature and Composition	3+	4	LIT 102
Environmental Science	3+	4	ES 106
French	3+	12	FR 103, FR 201, FR 202
German	3+	12	GL 103, GL 201, GL 202
Government & Politics: US	3	4	PS 1XX
	4+	4	PS 201
History: European	3	4	HST 1XX
	4+	8	HST 105, HST 106
History: US	3	4	HST 201
	4+	8	HST 201, HST 202

ADVANCED PLACEMENT CREDIT			
Course	Score	Credits Awarded	WOU equivalent(s)
History: World	3	4	HST 105
	4+	8	HST 105, HST 106
Human Geography	3+	4	GEOG 107
Japanese	3+	12	ML 101, ML 102, ML 103
Macro Economics	3+	4	EC 202
Micro Economics	3+	4	EC 201
Music Theory	3	3	MUS 111
	4+	6	MUS 111, MUS 112
Physics 1	3	4	PH 1XX
	4+	8	PH 201, PH 202
Physics 2	3	4	PH 1XX
	4+	8	PH 203, 2XX
Physics C: Electricity and Magnetism	3	4	PH 1XX
	4+	4	PH 213
Physics C: Mechanics	3	4	PH 1XX
	4+	4	PH 211
Psychology	3+	4	PSY 201
Spanish	3+	12	SPAN 103, SPAN 201, SPAN 202
Spanish Literature	3+	4	SPAN 202
Statistics	3+	4	STAT 243Z
Studio Art Drawing	3	4	A 1XX
	4+	4	A 130

## Application Procedures

Freshmen are encouraged to apply beginning their senior year of high school to receive priority consideration for WOU scholarships. The application procedure for entering freshmen (students with no preparation beyond

high school) consists of the following steps:

1. Complete and return an application for admission and the required \$60 non-refundable application fee, WOU Request for Deferral of Application Fee Form, College Board Application Fee Waiver or NACAC

Request for Application Fee Waiver. Students can apply for admission online at [wou.edu/admission/](http://wou.edu/admission/).

2. Have an official high school transcript sent to Admissions documenting all coursework completed to date.
3. Applicants with a cumulative grade-point average below

3.00 are required to provide a letter of recommendation from a counselor or teacher who can objectively evaluate their academic preparation and future success at WOU. Applicants have the option to provide a personal statement addressing their academic deficiencies and the specific steps they are pursuing to meet WOU's admission requirements in lieu of a letter of recommendation.

4. Submission of ACT or SAT scores is optional for freshman applicants. Freshman applicants who do not meet the 3.00 grade-point average are encouraged, but not required, to submit ACT or SAT scores.
5. Upon graduation, submit a final official transcript documenting all high school coursework and date of graduation. Freshmen earning college credit are required to submit an official transcript from each college or university attended to the Office of the Registrar.

First-year students who attend WOU within one year of their high school graduation are required to live on campus (see University Housing policy). Admissions reserves the right to rescind the admission of any student who fails to meet the conditions of his or her admission to WOU.

## Comprehensive Admission Review

WOU conducts comprehensive reviews of applicants who do not meet the minimum admission requirements. Reviews include additional factors such as standardized test scores, rigor of courses taken, a personal statement, letters of recommendation from educators, noncognitive factors and other indicators that predict success in college. Academic performance is not the sole criterion for admission to WOU.

WOU may evaluate a person's behavior and background to determine their ability to maintain the standards of academic and professional conduct expected at the university. An evaluation may take into consideration current behavior and performance as

well as past experiences and actions. For information, go to [wou.edu/admission/](http://wou.edu/admission/).

## General Educational Development (GED)

For information, go online to [wou.edu/admission/](http://wou.edu/admission/).

## International Baccalaureate (IB)

Students completing the full IB Diploma with a score of 30 or higher receive the following:

- Guaranteed admission to WOU.
- Sophomore standing. Students with a full IB Diploma and a score of 30 or higher will be granted sophomore standing.
- Honors Program. The WOU Honors Program will automatically accept students with a full IB Diploma.

# WOU International Baccalaureate Program Credit Guidelines

WOU INTERNATIONAL BACCALAUREATE PROGRAM CREDIT GUIDELINES					
	Score	Standard Level Exam		High Level Exam	
IB Certificate Course		WOU Course	Credits	WOU Course	Credits
Biology	4	BI 102	4	BI 101, BI 102, BI 103	12
	5 or higher	BI 211	4	BI 211, BI 212, BI 213	12
Business	4 or higher	BA 101	3	BA 101	3
Chemistry	4	CH 221	5	CH 221, CH 222, CH 1XX	14
	5 or higher	CH 221, CH 222	10	CH 221, CH 222, CH 223	15
Classical Languages	4	ML 1XX	4		
	5 or higher	ML 1XX	4	ML 101, ML 102, ML 103	12
Computer Science	4 or higher	CS 122	4	CS 122, CS 160	8



WOU INTERNATIONAL BACCALAUREATE PROGRAM CREDIT GUIDELINES					
	Score	Standard Level Exam		High Level Exam	
Dance/Performing Arts	4	D 1XX	3	D 1XX	3
	5 or higher	D 251	3	D 251, 2XX	6
Economics	4 or higher	EC 200	4	EC 201, EC 202	8
Environmental Systems & Societies	4	ES 106	4		
	5 or higher	BI 370	4		
Film Studies	4	TA 1XX	3		6
	5 or higher	TA 112	3	TA 112, 1XX	6
Geography	4	GEOG 106	4	GEOG 106	4
	5 or higher	GEOG 105	4	GEOG 105 , GEOG 106	8
Global Politics	4	PS 2XX	4		12
	5 or higher	PS 203	4	PS 203, PS 2XX	12
Health/Human Physiology	5 or higher	BI 102 or BI 211	4	BI 102, BI 103	8
History	4	HST 1XX	4		
	5 or higher	HST 104	4		
History: Europe	4	HST 1XX	4	HST 1XX	4
	5 or higher	HST 104	4	HST 104, HST 105	8
History: US	4	HST 2XX	4		
	5 or higher	HST 2XX	4	HST 201, HST 202	8
History: Asia	4	HST 1XX	4		
	5 or higher	HST 1XX	4	HST 105, HST 106	8
History: Africa/Middle East	4	HST 1XX	4		
	5 or higher	HST 1XX	4	HST 105, HST 106	8
Info Tech in a Global Society	4 or higher	CS 101	3	CS 101, CS 122	7
Language A (English)	4	WR 1XX	4		
	5 or higher	WR 121Z	4	WR 121Z , WR 122Z, LIT 102	12
Language A & B (other than English)	4	ML 1XX	4		
	5 or higher	ML 101	4	ML 101, ML 102, ML 103	12

WOU INTERNATIONAL BACCALAUREATE PROGRAM CREDIT GUIDELINES					
	Score	Standard Level Exam		High Level Exam	
French A & B	4	FR 1XX	4		
	5 or higher	FR 101	4	FR 101, FR 102, FR 103	12
German A & B	4	GL 1XX	4		
	5 or higher	GL 101	4	GL 101, GL 102, GL 103	12
Spanish A & B	4	SPAN 1XX	4		
	5 or higher	SPAN 101	4	SPAN 101, SPAN 102, SPAN 103	12
Literature A (English)	4	LIT 1XX	4		
	5 or higher	LIT 201	4	LIT 201, LIT 202	8
Literature A (other than English)	4 or higher	ML 1XX	4	ML 1XX, 1XX, 1XX	12
Literature & Performance (English)	4	TA 1XX	4		
	5 or higher	TA 110 , TA 1XX	4		
Literature & Performance (Spanish & French)	4 or higher	ML 1XX	4		
Marine Science	5 or higher	BI 1XX	4		
Mathematics	4 or higher	MTH 112Z	4	MTH 112Z, MTH 251, MTH 252	12
Math Studies	4 or higher	MTH 105Z	4		
Mathematics: Further Mathematics	4 or higher			MTH by Arrangement	12
Mathematics: Analysis & Approaches	4 or higher	MTH 251	4	MTH 251, MTH 252, MTH 2XX	12
Mathematics: Application & Interpretation	4 or higher	MTH 105Z	4	MTH 111Z, MTH 112Z, MTH 243Z	12
Music	4	MUS 1XX	3		
	5 or higher	MUS 111	3	MUS 111	3
Philosophy	4	PHL 1XX	4		
	5 or higher	PHL 101	4	PHL 101, PHL 102	8
Physics	4 or higher	PH 2XX	4	PH 201, PH 202, PH 203	12
Political Science	4	PS 2XX	4		
	5 or higher	PS 201	4	PS 201, PS 202	8
Psychology	4	PSY 1XX	4		8
	5 or higher	PSY 201	4	PSY 201, PSY 202	8

## WOU INTERNATIONAL BACCALAUREATE PROGRAM CREDIT GUIDELINES

	Score	Standard Level Exam		High Level Exam	
Religion	4 or higher	PHL 1XX	3		
Social Anthropology	4	ANTH 2XX	4		
	5 or higher	ANTH 216	4	ANTH 216	4
Sports, Exercise & Human Health	4 or higher	BI 134	4	BI 134, BI 135	8
Theatre Arts	4	TA 1XX	4		
	5 or higher	TA 110	4	TA 110	4
Visual Arts	4	A 1XX	2	A 1XX	2
	5 or higher	A 100	2	A 100, 1XX	6

## Second Language Requirement

WOU requires two years of the same high school-level second language with a grade of C- or above or acceptable performance on proficiency-assessment options. The second language requirement applies to students graduating from high school or earning their GED in 1997 and thereafter.

## Unaccredited High Schools or Home-Schooled Students

For information, visit our website at [wou.edu/admission/](http://wou.edu/admission/).

## When to Apply

High school students can apply for admission after completion of their junior year. Applications will be accepted through the end of the first week of classes. Students who wish to apply for financial aid, scholarships or university housing are advised to consult Admissions regarding deadlines.

## International Student Admissions

International Education and Development  
[wou.edu/international/](http://wou.edu/international/)  
 503-838-8425

WOU offers full admission and conditional admission to eligible international students. International students must complete all of the following in order to be considered for admission.

1. Complete and return the application form along with the application fee of U.S. \$50. The application is available online at [wou.edu/international/](http://wou.edu/international/). You may submit this electronic application and then mail original documents to the International Education and Development office to complete your application file. You are advised to send the non-refundable fee in the form of an international money order or check in U.S. dollars. Prospective applicants may request an application form at [wou.edu/international/](http://wou.edu/international/).
2. Submit official transcripts or exit exam results of previous school work including

secondary and middle schools, other colleges and universities and professional schools. Original documents are preferred, but certified copies are acceptable. Certified copies of exact English translations of these records are required.

3. Provide proof of proficiency in the English language unless native language is English. Prospective students must submit a minimum TOEFL score of 500 (paper-based), 61 (Internet-based); or an IELTS score of 5.0 for undergraduate admission. Graduate admission requires a TOEFL score of 550 (paper-based), 79 (Internet-based); or an IELTS score of 6.0. Students who are citizens of or who have received a bachelor's degree or higher from a university in the following countries are exempt from the English proficiency requirement: Australia, the British Caribbean and British West Indies (Bahamas, Jamaica, etc.), Canada (except Quebec), Ghana, Ireland, Kenya, Liberia, New Zealand, Nigeria, South Africa, United Kingdom and the United States.
4. Submit personal or parents' bank statement showing a balance of at least \$33,000.

Also complete a Financial Affidavit Form. The current tuition at Western Oregon University is approximately

\$17,200 per academic year. The tuition amount is subject to change at the beginning of each academic year.

## College Level Equivalency (CLEP) Scoring Table

COLLEGE LEVEL EQUIVALENCY (CLEP) SCORING TABLE			
Exam	Score	Credits	Course
Information Systems and Computer Applications	50	3	CS 101
American Literature (requires passing essay section)	52+	8	LIT 253 and LIT 254
Analyzing and Interpreting Literature*	50-65	4	LIT 102
	66+	8	LIT 101 and LIT 102
English Literature (requires passing essay section)	55+	12	LIT 204, LIT 205, LIT 206
English Composition with essay	50	4	WR 121Z
Freshmen College Composition	50	4	WR 121Z
Humanities*	50	4	LIT 102
French	50	12	FR 101, FR 102, FR 103
French	60	12	FR 201, FR 202, FR 203 #
German	50	12	GL 103, GL 102, GL 103
German	60	12	GL 201, GL 202, GL 203#
Spanish	50	12	SPAN 101, SPAN 102, SPAN 103
Spanish	63	12	SPAN 201, SPAN 202, SPAN 203 #
American Government	50	4	PS 201
Introduction to Psychology	50	4	PSY 201
Principles of Macroeconomics^	60	4	EC 202
Principles of Management	50	4.5	BA 2XX
Principles of Marketing	50	4.5	BA 2XX
Principles of Microeconomics^	60	4	EC 201
Biology	50	10	BI 101 and BI 102
Chemistry	50	10	CH 221 and CH 222
Natural Sciences	50	5	Science elective

COLLEGE LEVEL EQUIVALENCY (CLEP) SCORING TABLE			
Exam	Score	Credits	Course
College Algebra	50	4	MTH 111Z
College Mathematics	50	4	MTH 1XX
Precalculus	50	4	MTH 111Z, MTH 112Z
Calculus	50	4	MTH 251

## CLEP exams cannot be used to fulfill WOU diversity requirements

\* Students are limited to credit from ONE of these two exams.

1. # To fulfill the B.A. language requirement, CLEP credit for 203 must be supplemented with one of the following: a culture-focused course related to the language; an on-campus UD language/culture course; or study-abroad credits related to the language, (see Humanities Division chair for possible course ideas).
2. ^ Credit will not be granted if the student has earned credit for a higher-level course (one which directly or indirectly requires EC 201 or EC 202 as a prerequisite).

To find out more, go to <https://clep.collegeboard.org/>.

## General Certificate of Education (GCE) Examinations

### GENERAL CERTIFICATE OF EDUCATION (GCE) EXAMINATIONS

*Advanced A Level Only*

(accepted for exam scores of C or better)

Exam	Credits	Course
Accounting	3	BA 217
Art	6	A 100, A 115
Business Studies	3	BA 101
Biology	15	BI 101, BI 102, BI 103
Chemistry	12	CH 104, CH 105, CH 106
Classical Studies	4	HST 1XX
Computing	8	CS 161, CS 162
Economics	12	EC 200, EC 201, EC 202
English Literature	12	LIT 101, LIT 102
French	12	FR 101, FR 102, FR 103
Geography	8	GEOG 105 , GEOG 106
German	12	GL 101, GL 102, GL 103
History	12	HST 104, HST 105, HST 106

## GENERAL CERTIFICATE OF EDUCATION (GCE) EXAMINATIONS

*Advanced A Level Only*

(accepted for exam scores of C or better)

Exam	Credits	Course
Language and Literature	4	LIT 101
Mathematics	8	MTH 241, MTH 243Z
Further Math	8	MTH 251, MTH 252
Music	6	MUS 111
Physical Education	4	PE 2XX
Physics	12	PH 201, PH 202, PH 203
Psychology	8	PSY 201, PSY 202
Sociology	9	SOC 223, SOC 224, SOC 225
Spanish	12	SPAN 101, SPAN 102, SPAN 103
Thinking Skills	3	PHL 103

For content-specific documentation, go online to [ocr.org.uk/qualifications/](http://ocr.org.uk/qualifications/).

## Transfer Students

### Admission Requirements

1. Students with 36 or more transferable, college-level quarter hour credits (24 semester hours) must have a cumulative 2.25 grade point average or higher in all college-level work attempted and be in good academic standing, disciplinary/student conduct and financial standing at all prior institutions attended.
2. Students with fewer than 36 transferable, college-level quarter hours are required to provide an official high school transcript or GED scores and must meet freshman admission requirements.
3. Transfer applicants who obtain an Oregon Transfer Module (OTM) or an Associate of Arts Oregon Transfer degree (AAOT) from an Oregon community college are admissible with a

cumulative grade-point average of 2.00.

A transfer student who does not meet the regular admission requirements may be considered for admission by the Comprehensive Admission Review Committee. Refer to section on comprehensive admission review or contact Admissions.

### Application Procedures

1. Complete and return an application for admissions and the required \$60 non-refundable application fee or WOU Request for Deferral of Application Fee form.
2. Have an official, complete transcript sent from each college or university attended. To be considered official, transcripts must be sent directly to the Office of the Registrar from the issuing institution. Unofficial or student copies are not acceptable for the awarding of transfer credit. Omitting an institutional record from your

application may result in disciplinary action. The director of admissions reserves the right to rescind the admission of any student who falsifies information on their application for admission.

Admissions reserves the right to rescind the admission of any student who fails to meet the conditions of his or her admission to WOU.

### Degree Partnership Program (DPP)

[wou.edu/partnerships/](http://wou.edu/partnerships/)  
Greg Davis  
[davisg@wou.edu](mailto:davisg@wou.edu) | 503-838-9777

Dual Enrollment Partnerships at Designated Community Colleges

Western Oregon University offers the Degree Partnership Program (dual admission and enrollment) at the following Oregon Community Colleges:

- Chemeketa Community College, Salem, OR



- Clackamas Community College, Oregon City, OR
- Linn-Benton Community College, Albany, OR
- Mt. Hood Community College, Gresham, OR

The DPP program is designed to allow qualified students access to Western Oregon University and their selected community college. As a DPP participant, students can attend classes at either institution, utilize financial aid to pay tuition incurred at both institutions, and have the option of using campus facilities and services. There is also flexibility in scheduling with access to more classes and one application process to attend both institutions. Learn more at [wou.edu/partnerships/](http://wou.edu/partnerships/).

## Oregon Transfer Agreements

The state of Oregon has a number of transfer agreements in place to facilitate a smooth transition from Oregon community colleges to four-year public universities.

## Other Transfer Agreements

WOU has approved major-specific articulation agreements with Oregon community colleges. In addition, WOU has Transfer Admission Guarantees (TAGs) with many California community colleges. WOU also has a TAG agreement with Chemeketa Community College.

## Transfer Credit

Students with qualifying transfer courses will be awarded credit at WOU in accordance with Undergraduate

Academic Regulation U-13. Credit for the following standardized exams are awarded as follows:

- Advanced Placement Credit
- College Level Equivalency (CLEP) Scoring Table
- General Certificate of Education (GCE) Examinations
- WOU International Baccalaureate Program Credit Guidelines

## Transfer Degrees from Other States

Students from designated states who have earned specific transfer degree will be considered as having met WOU's General Education requirements.

# Graduate Admissions

Hillary Fouts, Dean of Graduate Studies and Research  
graduate.wou.edu  
503-838-8597

## Admission Procedures

All persons wishing to enroll at WOU at the graduate level must be admitted to the university by the Graduate Programs Office.

To apply for admission to WOU's graduate programs, students must complete the following steps:

1. Submit a completed Graduate Student Application (available online).
2. Pay the non-refundable, non-transferable \$60 Graduate Application fee.
3. Provide evidence of completed bachelor's degree.\*
4. Provide unofficial transcripts and/or academic records from each degree granting institution.\*
5. Provide official scores for the MAT or GRE if minimum

academic requirements are not met (see below).

\*Official transcripts from non-WOU institutions in which degrees were conferred will be required after admission is offered. Enrollment in courses is contingent upon the receipt and verification of these official documents. WOU reserves the right to require official transcripts at any time during the admission process and to rescind any offer of admission made if discrepancies between the unofficial and official transcript(s) are found, if it is discovered that the educational history was incomplete, or if upon final GPA and degree verification it is discovered that the minimum admissions requirements were not met.

## Classification at Admission

The Graduate Programs Office admits and classifies eligible students on the basis of their undergraduate

cumulative grade-point average and declaration of intent in the application for admission.

Qualified students seeking a degree are classified either as fully admitted or conditionally admitted graduate students. Conditionally admitted students must meet the conditions of their admission, as stated in the official admission letter, to continue in their graduate program. Students who meet the conditions of their admission will be classified as fully admitted.

Conditional status will not be extended. A student who does not meet the conditions of their admission will be removed from the program. A student may reapply to the university after conditions are met.

## Conditional Admission

**Completing undergraduate degree:** a student who is completing an undergraduate degree can be conditionally admitted to a graduate program with the following caveats:

- Student must have a minimum GPA of 3.0 on completed coursework or have a passing score on the MAT or GRE.
- Student must have met requirements of the specific graduate program to which he/she is applying.
- Student will not be able to receive financial aid until the Graduate and Financial Aid Offices have received proof of completion of the undergraduate degree and a program plan is on file.
- Student must provide proof of completion of the undergraduate degree during the first term of enrollment as a graduate student. WOU graduates must show proof prior to starting graduate courses.

All students who are admitted on a conditional basis, because we are waiting for completion of undergraduate degree will have a registration hold placed on their account. The student will not be able to register for classes beyond the first term of graduate enrollment until the Graduate Office has received proof of completion of the undergraduate degree with a minimum cumulative GPA of 3.0, or a GPA of 3.0 on the last 90 quarter credits or 60 semester credits of coursework.

**GPA requirement:** A student who has an undergraduate GPA of 2.50 to 2.99 can be conditionally admitted for the first 9 credit hours. Conditionally admitted students are not eligible to receive financial aid until they become fully admitted students and a program plan is on file.

To be fully admitted:

- Student must achieve a 3.0 GPA in the first nine (9) credits of their graduate program\*.

Student can petition for conditional admission via the Petition for Conditional Admission located on the Graduate Programs website.

The above are university level minimum criteria for admission; individual academic programs may set higher criteria.

\*If the total graduate credits exceed nine (9), in the term that the student completes their first nine (9) graduate credits, then all earned graduate credits.

## Graduate Assistantships

Students wishing to apply for Graduate Assistantships must apply via the Graduate Assistant Application directly to the Graduate Programs Office by the posted deadline. The Graduate Programs Office processes applications, posts recruitment announcements, and handles all employment procedures for Graduate Assistantships across the university.

Graduate Assistant positions are a form of student employment, earning a compensation package which includes both a salary and tuition remission for the performance of research or teaching services to the university as part of the student's academic and professional training and development. Graduate Assistantships provide fee remission for the instructional fee portion of tuition (up to 12 credits) and a monthly stipend for the service provided each term of the appointment. You must be a full-time graduate student, fully admitted to a graduate degree program, and in good academic standing to begin an assistantship.

Graduate students are required to register and remain enrolled in a minimum of eight/nine credits of graduate coursework to receive graduate tuition remission. Graduate students in their last term of study may take less than the required 8 credits to finish their degree. Any courses taken beyond 12 credits are the financial responsibility of the student.

1. If a student falls below this course load, they will not be awarded subsequent tuition remission.
2. Students must notify the Graduate Programs Office, via email within 24 hours, documentation of any course substitutions or additions to the original Graduate Assistant Approval Request.
  1. If within the first week of courses a

student adds additional courses, the remission difference (not to exceed 12 credits) will be applied by payroll, providing that student notifies the Graduate Programs Office via email.

2. If a student drops any combination of courses so that their credits are reduced from the amount covered by fee remission for the term (e.g., 12 to 9, 12 to 10, etc.), that amount will be deducted from their fee remission the following term.
3. If a student withdraws from all courses, the refund will be returned to the fee remission account.
4. Students will not be invited back to their position if they do not honor their signed contract.
5. During the last term of enrollment, Graduate Assistants will be billed back 50% of remission for that term if they fail to successfully complete their program.
6. Conditions of employment include maintaining a GPA of 3.0 or higher.

## International Students

All non-native English speaking students must also provide proof of proficiency in the English language by submitting an official copy of an English testing score report. Paper-based TOEFL: minimum score 550. Internet-based TOEFL: minimum score 79. IELTS Test: minimum score 6.0. Duolingo: 100.

A student seeking a master's degree, graduate license program, graduate certificate or graduate specialization must apply both to the university and to the program in which they are interested. Applications to each specific program are available from each program.

The graduate website at [graduate.wou.edu](http://graduate.wou.edu) and the catalog have current admission information.

Admitted students must submit a health history report. The report form is mailed to students who are accepted for admission and must be completed and returned to WOU's Student Health and Counseling Center.

All documents become the property of the university and will not be returned. The university reserves the right to deny credit for coursework completed before a student is officially admitted for graduate study.

## Matriculation Fee

A one-time matriculation fee is assessed on all new graduate students

when they enroll. (See WOU Tuition and Fee Book.)

## Minimum Academic Requirements

*\*Evidence of completion of a four-year baccalaureate degree (or international equivalent) from regionally accredited institution as defined by the American Association of Collegiate Registrars, with a cumulative B average (equivalent 3.00 on a U.S. 4.00 grading scale) on the most recent baccalaureate degree.*

If the applicant's cumulative GPA is below 3.00, but a calculation using the last 90 quarter credits (60 semester credits) of graded course work is 3.0 or higher, the latter will be used as the basis for admission.

Applicants who hold a master's degree will have the 3.0 GPA requirement waived.

Applicants not meeting the minimum GPA requirement may be considered with a passing score on the Miller Analogies Test (MAT) or Graduate Record Exam (GRE). Minimum required score for the MAT: 395. Minimum required score for the GRE Verbal Reasoning: 148, Quantitative Reasoning: 147, Analytical Writing: 3.5

## Program Admission

Most graduate programs have additional admission requirements. These requirements must be met prior to enrollment in the program.

# Paying for College

## Financial Aid

Director Kella Helyer  
[wou.edu/finaid/](http://wou.edu/finaid/)  
503-838-8475  
Toll free: 877-877-1593

WOU provides a strong financial aid and scholarship program that annually administers more than \$54 million for eligible students. Financial aid is based on the philosophy that the responsibility for financing a student's education rests primarily with the student and student's family.

For detailed information about the financial aid application process and aid programs, visit our website at [wou.edu/finaid/](http://wou.edu/finaid/).

## Applying for Aid

To be considered for federal and state financial aid at WOU, students must

complete the Free Application for Federal Student Aid (FAFSA). Students are encouraged to submit their FAFSAs annually as soon after October 1 as possible as some funds are limited and are awarded on a first-come, first-served basis. The FAFSA is completed online at <https://studentaid.gov/h/apply-for-aid/fafsa>.

Please note, the 2024-25 FAFSA application has a delayed opening to a date in December 2023. Please watch for information from the US Department of Education for further details.

## Financial Aid Programs

WOU participates in numerous federal, state and institutional programs including:

- Federal Work-Study
- Grants
- Loans
- Scholarships

Information	Where to Find It
Due Dates and Payment Information	<a href="http://www.wou.edu/business/tuition-fees/payment-information/">http://www.wou.edu/business/tuition-fees/payment-information/</a>
Resident Oregon senior Citizen Program	<a href="http://www.wou.edu/business/services/fee-bookbudget-summary/">http://www.wou.edu/business/services/fee-bookbudget-summary/</a>
Veterans Education Benefits	<a href="https://wou.edu/veterans/forms-scholarships-and-benefits/">https://wou.edu/veterans/forms-scholarships-and-benefits/</a>

# Student Involvement

---

## Student Affairs

Vice President Gary Dukes  
[wou.edu/student/](http://wou.edu/student/)

The Office of the Vice President for Student Affairs provides general liaison assistance to students. The vice president is responsible for all student-related services including Campus Recreation, Service Learning and Career Development, Student Conduct, Disability Services, Multicultural Student Services, Student Enrichment Program, Student Health and Counseling Services, University Housing, Campus Dining, Werner University Center, Student Engagement, Greek Life, Student Media, Upward Bound, National Student Exchange and the WOLF Ride program.

The Office of Student Affairs fosters students' academic, personal and professional growth; educates students to respect and appreciate diversity; and prepares students to be responsible and engaged citizens in a global community. The office is located in the Werner University Center. The phone number is 503-838-8221 or visit our website at [wou.edu/student/](http://wou.edu/student/).

## Student Government

The Associated Students of Western Oregon University (ASWOU) is the official governing body of the students. All WOU students are members of ASWOU by virtue of having paid tuition and fees. Students can have a major role in decision-making at the university through student government. ASWOU has three branches including a policy-making legislative branch called Student Senate, a policy-implementing executive branch and a policy-interpreting judicial branch called the Judicial Board, which also administers elections.

According to its mission statement, student government serves as a voice for students. ASWOU is committed to providing opportunities, activities and services to students; representing students' interests; and advocating for students' rights. For more information on how to get involved with student

government, contact the ASWOU office at 503-838-8555 or visit our website at [wou.edu/aswou/](http://wou.edu/aswou/).

## Arts and Entertainment

Throughout the year, WOU offers a wide variety of on-campus entertainment and arts events presented by student and professional groups.

The Art Department's Campbell Hall Gallery provides art exhibits by professional artists of the Northwest in addition to student exhibits. Student exhibits also appear in three other campus galleries.

Music organizations are active in performances and concerts throughout the year. They include classical, jazz and American vernacular styles.

The WOU theatre stages plays from Shakespeare to Sam Shepard, including a musical every other winter term and every summer in conjunction with the Music Department. Student-directed plays are also presented. The WOU dance program presents informal concerts for student choreography each fall and spring and a main stage Spring Dance Concert every spring, featuring faculty, student and guest artist works. Activities also include faculty collaboration and student performance in the main stage musicals.

While campus groups give students a chance to perform and provide a regular source of entertainment, the Edgar H. Smith Fine Arts Series brings top names from the professional arts and entertainment world to campus.

## Honor Societies

### Chi Alpha Sigma

Chi Alpha Sigma is the academic

fraternity for the National College Athlete Honor Society. Chi Alpha Sigma works with NCAA and NAIA member institutions to recognize outstanding college student-athletes for their successes both on the field of competition and in the classroom.

### Phi Alpha Theta

The International History Honor Society, Phi Alpha Theta, was founded in 1921 with the purpose of distinguishing outstanding history students. It has more than 700 chapters and more than 200,000 members. It publishes a national journal, *The Historian*.

The WOU chapter, Alpha Iota Xi, annually initiates new members and sponsors forums on historical and contemporary topics. Students also present papers at the Northwest regional and national conventions.

### Phi Kappa Phi

The Honor Society of Phi Kappa Phi is a national society devoted to the promotion, recognition and support of outstanding scholarship and learning. Undergraduate and graduate students who have demonstrated superior scholarly and artistic accomplishment are invited to membership. Each year about 10 percent of the senior class, five percent of the junior class and selected faculty are eligible and invited.

The WOU chapter was founded in 1981. Since 1987, the chapter has annually sponsored the Academic Excellence Showcase, which recognizes students and their scholarly and artistic accomplishments.

## Phi Sigma Iota

This academic honor society is open to students studying modern languages at WOU.

## Pi Mu Epsilon

The honorary national mathematics society, Pi Mu Epsilon, Inc (PME), was founded on May 25, 1914 and has more than 300 chapters at colleges and universities throughout the United States. The purpose of PME is the promotion of scholarly activity in mathematics among the students in academic institutions.

The Oregon Delta Chapter at WOU is open by invitation to outstanding mathematics majors. The chapter sends two students a year to a national PME conference to present their research in mathematics.

## Psi Chi

The national honor society in psychology was founded in 1929 for the purpose of encouraging, stimulating and maintaining excellence in scholarship and advancing the science of psychology. Membership is open to undergraduate and graduate students who are making the study of psychology one of their major interests and who meet the minimum qualifications. Minimum qualifications include completion of 12 quarter hours of psychology, rank in the top 35 percent of their class in general scholarship, demonstration of superior scholarship in psychology by earning an average grade of B or better in psychology courses and high standards of personal behavior. Each year, students meeting minimum qualifications are invited to membership.

The WOU chapter sponsors an annual research conference that includes poster and paper presentations to highlight student accomplishments.

## Lambda Pi Eta

The Nu Phi chapter, an accredited international honor society of the National Communication Association, is open to all communication studies majors and minors who meet the requirements for the honorary distinction.

## Intercollegiate Athletics

[wouwolves.com/](http://wouwolves.com/)

WOU offers a broad-based athletic program that has developed a strong tradition of excellence. WOU offers 11 sports and is a member of the NCAA Division II. Men's sports of cross-country, football, basketball, baseball, indoor and outdoor track and field are offered. Women's sports include cross-country, soccer, volleyball, basketball, softball, indoor and outdoor track and field.

The mission of the WOU Department of Intercollegiate Athletics is to provide each student-athlete with a championship experience through a commitment to academic achievement, athletic excellence, university pride, personal growth and community engagement. Central to this mission is the belief that athletics are an integral part of the total education of the students involved in our programs.

WOU coaches provide outstanding coaching and instruction in an environment that fosters highlevel athletic performance, dedication to academic achievement, exemplary sportsmanship and commitment to personal and team excellence.

## WOU and the NCAA

Membership in the NCAA Division II provides the opportunity for student athletes to compete at a high level of competition while also balancing academics and campus life. WOU is a member of the Great Northwest Athletic Conference, which is made up of the NCAA members from Oregon, Washington, California, Idaho, Alaska, Montana and Canada. For more information about particular sports, please contact the Department of Intercollegiate Athletics at 503-838-8917.

## Academic eligibility requirements

The NCAA has established academic requirements for participation in intercollegiate athletics. Freshman student athletes must be certified by the NCAA Initial Eligibility Center. Information regarding the eligibility center and first-year eligibility is available from high school counselors or online at [eligibilitycenter.org](http://eligibilitycenter.org).

Transfer student athletes are urged to contact the coach of their sport or the director of compliance. The NCAA has also established academic standards related to progress toward degree for continuing student athletes. Contact your coach or the director of compliance for specific details regarding this requirement.

## Facilities

Student athletes have access to a variety of athletic facilities. Two physical education buildings, the football stadium and track, weight room and fields for baseball, softball and soccer offer abundant opportunities for student athletes. The opportunity for high-level competition, combined with quality coaching in an outstanding academic environment, has attracted the exceptional student athletes that represent WOU.

Information	Where to Find It
Intercollegiate Athletics	<a href="http://www.wou.edu/athletics/">http://www.wou.edu/athletics/</a>
Student Engagement	<a href="http://www.wou.edu/student-engagement/">http://www.wou.edu/student-engagement/</a>

## Academic Resources

---

WOU offers resources to help you graduate ready to compete in today's careers. For example, resources range from exciting opportunities to study outside the United States to helpful academic tutoring in math, writing and other courses. These links are used most frequently, but if you don't find what you need here, check Student Services or search the WOU website at [www.wou.edu](http://www.wou.edu).

## International Education and Development

The mission of the International Education and Development Office is to promote the concept of internationalization across the WOU campus and community. The office seeks to improve intercultural communication and understanding among WOU's students, faculty and staff, through study abroad and international exchanges, as well as to support and enhance international students' and scholars' academic, cultural and social interaction at Western Oregon University. The office serves as the headquarters for all international outreach and activities on WOU's campus.

Information	Where to Find it
Hamersly Library	<a href="http://www.wou.edu/library/">http://www.wou.edu/library/</a>
International Student Academic Support	<a href="http://www.wou.edu/internationalsupport/">http://www.wou.edu/internationalsupport/</a>
International Student and Scholar Services	<a href="http://www.wou.edu/international/">http://www.wou.edu/international/</a>
Math Center	<a href="http://www.wou.edu/mathcenter/">http://www.wou.edu/mathcenter/</a>
National Student Exchange	<a href="http://www.wou.edu/student/national-student-exchange-nse/">http://www.wou.edu/student/national-student-exchange-nse/</a>
Science Center	<a href="http://www.wou.edu/sciencecenter/">http://www.wou.edu/sciencecenter/</a>
Study Abroad	<a href="http://www.wou.edu/international/study-abroad/">http://www.wou.edu/international/study-abroad/</a>
Tutoring Services	<a href="http://www.wou.edu/freetutoring/">http://www.wou.edu/freetutoring/</a>
Writing Center	<a href="http://www.wou.edu/writingctr/">http://www.wou.edu/writingctr/</a>

## Student Services

WOU offers student services that help make WOU more like home, as well as help you connect to a community of other students that share your interests. (More of these organizations may be found under Student Engagement on WOU's website.) Need help with your computer? Interested in on-campus housing? Want to find where to eat, play, and work at WOU? You can find that and more through these links to campus student services.

Information	Where to Find It
Bookstore	<a href="http://books.wou.edu/home">http://books.wou.edu/home</a>
Campus Dining	<a href="https://wou.edu/dining/">https://wou.edu/dining/</a>
Campus Recreation	<a href="http://www.wou.edu/campusrec/">http://www.wou.edu/campusrec/</a>
Computer Help	<a href="http://www.wou.edu/ucs/support/">http://www.wou.edu/ucs/support/</a>
Computer Labs	<a href="http://www.wou.edu/ucs/resources/computer-labs/">http://www.wou.edu/ucs/resources/computer-labs/</a>
Disability Services	<a href="http://www.wou.edu/disabilityservices/">http://www.wou.edu/disabilityservices/</a>
Multicultural Student Services and Programs	<a href="http://www.wou.edu/multicultural/">http://www.wou.edu/multicultural/</a>
Service Learning and Career Development	<a href="http://www.wou.edu/slcd/">http://www.wou.edu/slcd/</a>
Student Conduct	<a href="http://www.wou.edu/studentconduct/">http://www.wou.edu/studentconduct/</a>
Student Employment	<a href="http://www.wou.edu/slcd/wolflink/">http://www.wou.edu/slcd/wolflink/</a>
Student Enrichment Program-Trio	<a href="http://www.wou.edu/sep/">http://www.wou.edu/sep/</a>
Student Health and Counseling	<a href="http://www.wou.edu/health/">http://www.wou.edu/health/</a>
Student Success and Advising	<a href="https://www.wou.edu/advising/">https://www.wou.edu/advising/</a>
Tutoring Services	<a href="http://www.wou.edu/freetutoring/">http://www.wou.edu/freetutoring/</a>
University Housing	<a href="http://www.wou.edu/housing/">http://www.wou.edu/housing/</a>
Veterans Support Services	<a href="http://www.wou.edu/veterans/">http://www.wou.edu/veterans/</a>
Werner University Center	<a href="http://www.wou.edu/student-engagement/">http://www.wou.edu/student-engagement/</a>



# University Policies

---

## Accreditation

Western Oregon University is accredited by the Northwest Commission on Colleges and Universities (NWCCU).

Accreditation of an institution of higher education by the NWCCU indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one that has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the NWCCU applies to the institution as a whole. As such, it is not a guarantee of every course or program offered or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution's accredited status by the NWCCU should be directed to WOU's Office of Academic Affairs. Individuals may also contact:

NWCCU  
8060 165th Ave. NE, Suite 100  
Redmond, WA 98052-3981  
[nwccu.org](http://nwccu.org)

Programs for the training of elementary and secondary teachers at the undergraduate and graduate levels and special education teachers at the graduate level, are accredited by the National Council for Accreditation of Teacher Education (NCATE), a specialized accrediting body recognized by the Council for Higher Education and the Secretary of the U.S. Department of Education.

Undergraduate programs in teacher education and graduate programs in teacher education, special education and early intervention, are also accredited by the State of Oregon's Teacher Standards and Practices Commission (TSPC).

The undergraduate program in American Sign Language/English Interpreting is one of only seven bachelor's degree programs accredited nationally by the Commission on Collegiate Interpreter Education, a member of the Association of Specialized and Professional Accreditors.

The graduate program in Rehabilitation Counselor Education is accredited by the Council on Rehabilitation Education (CORE), an organization recognized by the Council on Higher Education Accreditation and a member of the Association of Specialized and Professional Accreditors.

## Affirmative Action

Western Oregon University is an equal opportunity, affirmative action institution. The university prohibits discrimination based on race, color, religion, national origin, age, sex, marital status, sexual orientation, veteran status or disability in its programs and activities. This policy implements local, state and federal laws (including Title IX) and applies to employment, admission, education and facilities.

Anyone who has questions regarding the nondiscrimination policies or believes that he or she has experienced harassment or discrimination should contact the Affirmative Action Office located in the Office of Human Resources, Administration Building, Room 205; telephone 503-838-8131; online [wou.edu/hr/](http://wou.edu/hr/). The university's policies are available on the human resources website: [wou.edu/hr/](http://wou.edu/hr/).

## Campus Security Act and Fire Safety Act Notice

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Act of 1990, Western Oregon University issues an annual security report that is published and available online at [wou.edu/admin/safety/#survival](http://wou.edu/admin/safety/#survival). Hard

copies of the report are available from the Campus Public Safety Office, 345 Monmouth Ave. N., Monmouth or 97361; telephone 503-838-8481. The annual report contains information about campus security and topics such as crime prevention, university law enforcement authority and crime reporting procedures. The annual Fire Report is included.

Information for the Clery Act can be found on the WOU website at the bottom of every page under the WOU Campus Safety Report.

## Catalog Information

This catalog is for purposes of information only. Care is taken to ensure the accuracy of the information at the time copy is prepared for publication, but circumstances constantly change within an institution. New decisions may affect the accuracy of the details appearing here. The information in this catalog is subject to change without notice and does not constitute a contract between Western Oregon University and a student or applicant for admission.

Students also are urged to regularly consult with faculty advisers for information and guidance.

This publication can be made available in alternative formats to assist persons with disabilities. Please give reasonable notice to:

Academic Affairs Office  
Western Oregon University  
345 Monmouth Ave. N.  
Monmouth or 97361

## Commitment to Diversity

Western Oregon University is committed to providing students from all backgrounds a personalized educational experience that successfully prepares them for our diverse and dynamic world. WOU actively seeks to enroll and graduate students from all the world's cultures so that our campus community can effectively teach and grow in its understanding and celebration of the

many diverse cultures, beliefs, traditions, histories and heritages in our communities both locally and abroad.

We will accomplish the goals and objectives in our strategic plan by proactively:

- Welcoming and valuing students, staff and faculty from all cultural backgrounds and experiences including ethnicities, socioeconomic classes, religions, disabilities, sexual orientations and gender identities;
- Actively embracing and celebrating cultural traditions and histories from across the globe;
- Sustaining a campus environment that engenders respect for people of all cultures and supports an intellectual discourse and development that values the acquisition and expression of divergent views and perspectives;
- Requiring that all undergraduate students complete courses that broaden their understanding of their own and other cultures;
- Acting in a leadership role in the state and region in serving the needs of our communities, students and families;
- Ensuring that material produced for the web and print is made available in multiple formats and languages as is appropriate to serve the needs of specific audiences; and
- Making available and supporting the acquisition and development of new language skills among our students, staff and faculty.

Our commitment and success in creating a supportive environment that serves all students has led to recognition by the National Education Trust.

## **Consensual Relationships Statement**

Romantic or sexual relationships between a university employee and student raise serious ethical concerns and can create an unacceptable educational or working environment. The respect and trust accorded a university employee by a student, as well as the power exercised by a university employee in his or her academic or evaluative role, greatly diminish the student's actual freedom of choice if sexual favors are requested. Therefore, university employees are warned against participating in even an apparently consensual relationship.

Additional information is available at [wou.edu/policycouncil/policy-library/](http://wou.edu/policycouncil/policy-library/). To request a complete hard copy of the policy, contact the Office of Human Resources at 503-838-8490.

## **Drug-Free School Policy**

WOU has committed itself to the education and development of healthy, productive and responsible individuals. Consistent with this commitment, WOU has established and will enforce institutional rules that uphold federal, state and local laws applicable to alcohol and other drug usage.

The university prohibits illegal use of drugs or alcohol by students, faculty or staff. Additional information is available at [wou.edu/policycouncil/policy-library/](http://wou.edu/policycouncil/policy-library/). To request a complete hard copy of the policy, contact the Office of the General Counsel at 503-838-8809.

## **Statement on Discrimination, including Sexual Harassment**

WOU is committed to cultivating an environment in which all individuals are treated with respect and dignity. Each individual has the right to learn in an atmosphere that promotes equal opportunities and prohibits

discriminatory practices, including harassment. WOU expects relationships across campus will be free from bias, prejudice and harassment.

This policy statement is intended to reaffirm WOU's prohibition against discrimination and harassment, clarify types of prohibited conduct and provide an effective complaint procedure to individuals who believe they have observed or have been subject to prohibited conduct.

## **Discrimination**

Discrimination, for the purposes of this policy, is defined as any act or practice, in form or operation, whether intended or unintended, that unreasonably differentiates among persons on the basis of race, color, religion, national origin, age, sex, marital status, sexual orientation, veteran status or disability or any other status protected under the law.

## **Harassment**

Harassment, for the purposes of this policy, is defined as conduct that creates an intimidating, hostile or degrading environment that would interfere with the work or academic performance of a reasonable person of the complainant's protected status.

## **Sexual harassment**

Sexual harassment is a form of discriminatory harassment. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors and other verbal or physical behavior of a sexual nature when directed toward an individual because of that individual's gender when:

- Submission to such conduct is made either explicitly or implicitly a term or condition of the individual's grade or used as the basis for any academic decision; or
- Such conduct is unwelcome and has the purpose or effect of unreasonably interfering with an individual's academic performance or creates an intimidating, hostile or

offensive academic environment.

Additional information is available at [wou.edu/policycouncil/policy-library/](http://wou.edu/policycouncil/policy-library/). To request a complete hard copy of the discrimination and harassment policy and complaint procedure; to discuss a sexual harassment, harassment or discrimination concern; or to file a sexual harassment, harassment or discrimination complaint, contact the Office of Human Resources at 503-838-8490.

## Student Right to Know

Western Oregon University provides the following information regarding our institution's graduation rates. This information is provided in compliance with the Higher Education Act of 1965. The graduation rates reflect the graduation status of students who initially enrolled at WOU during the 2013-14 academic year and for whom 150 percent of the normal time to completion has elapsed.

During Fall 2013, 826 first-time, degree seeking undergraduate students entered the university. As of June 2019, 41 percent of these students graduated from WOU.

Questions related to this report should be directed to Judy Sylvia, Associate Provost, at [sylvaj@wou.edu](mailto:sylvaj@wou.edu), at 503-838-8026.

## University Communication Policy

Every student at Western Oregon University is assigned a WOU email account that can be accessed via the WOU Portal. This email account will be used as the official form of communication between the university and its students. The university will send important and timely information to the students via email and it is expected that students regularly check their WOU email account.

It is not recommended that students forward their WOU email address to another email account as there is a risk of emails becoming undeliverable. Issues with email not being delivered to a third party email system does not relieve WOU students of their responsibilities or obligations which

may be detailed in the correspondence.

## University System Social Security Number (SSN) Disclosure Consent Statement

To comply with the Tax Payer Relief Act of 1997, Western Oregon University must obtain your correct social security number (SSN) to file returns with the Internal Revenue Service (IRS) and to furnish a statement to you. The returns filed by WOU must contain information about qualified tuition and related expenses.

The Privacy Act of 1974, section 6109 of the Internal Revenue Code, requires that you give your correct SSN to agencies that must file information returns with the IRS. The IRS uses your SSN for identification and to verify the accuracy of your tax return. For more information, please refer to Internal Revenue Code section 6050S. By signing the application for admission, you give your permission for the use of your SSN to assist WOU in developing, validating or administering predictive tests and assessments; administering student aid programs; improving instruction; identifying students internally; collecting student debts; or comparing student educational experiences with subsequent work-force experiences.

When conducting studies, WOU will disclose your SSN only in a manner that does not permit personal identification of you by individuals other than representatives of WOU and only if the information is destroyed when no longer needed for the purposes for which the study was conducted. By providing your SSN, you are consenting to the uses identified above.

This request is made pursuant to the Oregon Revised Statutes 351.070 and 351.085. You are not required to consent to the use of your SSN for research; if you choose not to do so, you will not be denied any right, benefit or privilege provided by law. You may revoke your consent for the use of your SSN at any time by writing to Admissions. If you do not give consent to use your SSN for research, please

attach a note requesting a system-generated number.

## Veteran Administration (VA) Standards

### Veteran's Representatives

Lieullen Administration Building 106  
(503)838-8183  
[wou.edu/veterans/veteran-registrar/](http://wou.edu/veterans/veteran-registrar/)

The Office of VA Benefits, a unit within the Office of the Registrar, helps eligible student veterans, reservists, and military dependents obtain educational benefits in compliance with the procedures and regulations of the United States Department of Veterans Affairs. The office provides basic information about educational benefits administered by the United States Department of Veterans Affairs.

Any student receiving GI Bill® education benefits while attending Western Oregon University is required to obtain transcripts from military training and all previously attended schools and submit them to the school for evaluation of prior credit and shortening of the program proportionately.

Eligible student veterans should contact the Veteran's Representatives by telephone, e-mail, or mail as soon as they are admitted to the university. The mailing address is Office of the Registrar, 345 Monmouth Ave. N., Monmouth, OR 97361. The Veteran's Representatives are available 8:00 a.m. to 5:00 p.m., Monday through Thursday and 9:00 a.m. to 5:00 p.m. on Friday.

Course and program credit requirements are clearly defined in the WOU course catalog. Course and program credit requirements reflect the scope of study.

Certain programs within the WOU catalog have credit spans. These credit spans reflect the lowest and highest credits a student may take depending on the path taken through the program (e.g. choice of concentration and/or minor can impact total credits needed).

Per WOU regulations certain courses may be repeated for credit when the content changes and other courses may not be repeated for credit. A program may require that a single course be taken multiple times for credit. In such cases the designated courses may be repeated for credit. Such requirements are clearly outlined in the WOU catalog entry for the program.

No student receiving VA Education benefits may have enrollment certified in a course that was previously successfully completed and for whom repeating the course is not an outstanding program requirement.

Veterans Administration Standards		
Certification Status	Under-graduate fall/winter /spring	Graduate fall/winter /spring
Full time	12+	9+
¾ time	9-11	7-8
½ time	6-8	5-6
< ½ time	3-5	3-4
¼ time	3	3

## Veterans Access, Choice and Accountability Act

Western Oregon University complies with Public Law 113-146, the Veterans Access, Choice and Accountability Act

Information	Where to Find It
Code of Student Responsibility	<a href="http://www.wou.edu/studentconduct/files/2017/10/CSR-09.01.17.pdf">www.wou.edu/studentconduct/files/2017/10/CSR-09.01.17.pdf</a>

## Academic Regulations

### How to Identify Regulations:

Regulations are organized by category (University, Undergraduate, or

of 2014, Section 702. As of July 1, 2015, the following individuals shall be charged the Oregon in-state rate or otherwise be considered a resident, for tuition and fees purposes:

- A veteran using educational assistance under either chapter 30 (Montgomery GI Bill® - Active Duty Program) or chapter 33 (Post-9/11 GI Bill®), of title 38, United States Code, who lives in Oregon while attending a school located in Oregon (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 GI Bill® benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon, (regardless of his/her formal state of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone described above while he/she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three-year period following discharge or release as described above and must be using educational benefits

under either chapter 30 or chapter 33, of title 38, United States Code.

- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Oregon while attending a school located in Oregon, (regardless of his/her formal state of residence).
- Anyone using transferred Post-9/11 GI Bill® benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon, (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
- The policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679(c) as amended.

## WICHE State Authorization Reciprocity Agreement

Western Oregon University is a member of the Western Interstate Commission for Higher Education (WICHE) and participates in the WICHE State Authorization Reciprocity Agreement (W-SARA), an agreement among member states, districts and territories that establishes comparable national standards for interstate offering of postsecondary distance education courses and programs. For more information, visit [wiche.edu/sara](http://wiche.edu/sara).

Graduate) and alphabetically within each category.

Additionally each regulation has a unique two character identifier that identifies its category, assigns a number indicating what order it falls in

within the category, and where applicable a letter identifying its status as a subsidiary to a parent regulation.

The University category is designated by a "W" (standing for WOU). The Undergraduate category is designated

by a "U" (standing for Undergraduate). The Graduate category is designated by a "G" (standing for Graduate).

For example, regulation W-2c is identifiable by the "W" as a university regulation and the "2" identifies it as the second university regulation and the "c" indicates that it is the third subset of the parent W-2 regulation.

## University Regulations

University regulations contain rules and information that are applicable to all students; undergraduate, graduate, post-baccalaureate, and non-degree seeking graduate students.

University regulations are identifiable by the "W" (standing for WOU) that proceeds the regulation number. For example, regulation W-1 the university regulation related to WOU's Course Numbering System and appears as "Course Number System (W-1)" on the list of regulations.

## Undergraduate Regulations

Undergraduate regulations are applicable to undergraduate, post-baccalaureate and non-degree seeking undergraduate students.

Undergraduate regulations are identifiable by the "U" (standing for Undergraduate) that proceeds the regulation number. For example, regulation U-5 is the undergraduate regulation related to Class Standing and appears as "Class Standing (U-5)" on the list of regulations.

## Graduate Regulations

Graduate regulations are applicable to all graduate and non-degree seeking graduate students.

Graduate regulations are identifiable by the "G" (standing for Graduate) that proceeds the regulation number. For example, regulation G-5 is the

graduate regulation related to Filing a Program Plan and appears as "Filing a Program Plan (G-5)" on the list of regulations.

## Office of the Registrar

The Office of the Registrar is responsible for maintaining the integrity and accuracy of academic records including student enrollment, grades, transcripts and degrees; eligibility for veterans' benefits; and maintaining compliance with state and federal laws, particularly the Family Educational Rights and Privacy Act (FERPA).

Contact the Office of the Registrar for assistance with institutional academic regulations. Located in the Lieuallen Administration Building, first floor, call 503-838-8327, or email registrar@wou.edu. Forms and information may also be found online at wou.edu/registrar.

Registrar Amy Clark

## University Regulations

### Course Numbering System (W-1)

Courses numbered:	
1-99	Preparatory courses that do not count toward a degree
100-299	Lower-division courses
300-499	Upper division courses
500-599	Graduate courses with undergraduate equivalents
600-699	Graduate courses for graduate and AUMP students only
700	Doctoral/In-Service *
800	Professional development courses that do not apply to degrees or certificates

*\*Prior to Summer 2023 the 700 course numbers were indicative of in-service courses. Summer 2023 forward the 700 course numbers are utilized for doctoral level instructional programs.*

### Commonly Numbered Courses:

Course numbers ending in "Z" are, per Oregon statute, courses that are part of the state's commonly numbered course system. These courses share common learning outcomes, matching course numbers, similar subject codes, and matching credits. They transfer between all Oregon community colleges and all Oregon Public Universities.

### Special notes for 500-level courses:

- Courses offered in a mixed 400/500 format may be taken

for either undergraduate or graduate credit, but students cannot enroll in both formats in the same term and cannot take both course levels in different terms unless the subject matter is substantially different across the two courses.

- Seniors who are within 12 credits of completing the bachelor degree requirements may enroll a maximum of 12 graduate credits in 500-level courses for later use toward a graduate program. Contact the WOU Graduate Program Office for assistance.

## Grading (W-2)

### Grading System (W-2a)

Grade	Grade Points
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	1.30
D	1.00
D-	0.70
F	0.00

### Grade-Point average (GPA) (W-2b)

The grade-point average is a calculation of the sum of points per grade (A- F), per credit hour, received across courses, divided by the total credit hours in which those grades are received. Marks of I, P, NC, W, X, S, RP and AU are not included in the calculation of points.

### Incomplete Grades (W-2c)

To grant an incomplete, the instructor and student must complete and sign the Incomplete Grade Contract, which designates the default grade and the date when the incomplete grade expires if sooner than 12 months. A copy of this contract should be kept by the instructor, the academic division office and the student. When the incomplete grade is submitted, the

instructor will also submit a default grade. If the student doesn't complete the work within 12 months, the default grade will automatically be entered for the course. If a student needs additional time, BEFORE the end of the first 12 months, he or she may petition the instructor for up to an additional 12 months. The maximum length of time to complete the work is 24 months or before the student graduates. At the time of graduation, a student's academic record is closed and any outstanding incomplete grades will permanently revert to the instructor's default grade.

An unresolved incomplete grade may prevent graduation because the default grade lowers a student's GPA or prevents a needed requirement from being met. Students are strongly encouraged to resolve incomplete grades within the shortest possible time to prevent problems closer to graduation.

Special accommodation is made for National Guard, active duty or reserve members of the armed forces who may be deployed within an academic term. Students are encouraged to contact Veterans Services in the Office of the Registrar to assist them with mitigating circumstances. Depending on the circumstances and with documentation (for example, copy of orders or letter from supervisor on letterhead), the student may be granted a 24-month period to resolve an incomplete grade or allowed to withdraw after the usual deadline without tuition or fee charges.

### Regular Progress Grades (W-2d)

The RP grade is reserved for specific courses which extend past the regularly scheduled term. In no case shall they extend beyond 12 months after the end of the term. Instructors must designate a course to be eligible for the RP grade in the course description approved through the Faculty Senate curriculum process.

When coursework is completed within the 12 month time frame, instructors must replace the RP grade with the appropriate grade through the standard grade change method. The replacement grade must correspond with the final grading method

established for the course (A-F or Pass/No Credit).

When a regular progress grade is submitted, the instructor will also submit a default grade as if no further student work was completed. If the student doesn't complete the work within 12 months, then the default grade will automatically become the permanent grade for the course.

At the time of graduation, a student's academic record is closed and any outstanding regular progress grades will permanently revert to the instructor's default grade. An unresolved regular progress grade may prevent graduation because the default grade may lower a student's GPA or prevent a needed requirement from being met. Students are strongly encouraged to resolve regular progress grades within the shortest possible time to prevent problems closer to graduation.

### X Grades (W-2e)

A student who does not attend class or turn in course assignments will receive a grade of X, which indicates that there is no basis for assigning a grade. Students who receive an X in any course will have to register for the course again to receive credit.

A student who has participated in a course but has failed to complete essential work or attend examinations and who has not communicated with the instructor, will be assigned whatever grade the work has earned.

### Institutional FERPA Policies (W-3)

### Amendment of Education Records (W-3a)

Students have the right to request an amendment of their education record if they believe it is inaccurate or misleading. To do so, the student must submit a written statement to the university office responsible for the record, clearly identifying the part of the record for which change is desired, as well as an explanation as to why it is inaccurate or misleading. That office



will notify the student of the institution's decision and advise the student about the appropriate steps if the student does not agree with the decision.

## **Disclosure of Directory Information (W-3b)**

The following student data elements are defined as directory information by WOU: class level; dates of enrollment; degrees, certificates, majors and honors awarded or applied for and the award date; enrollment status (full-time, half-time, less than half-time); full name; job titles and dates of employment for student employees who have been or are paid from university administered funds; most recent educational institution attended; photograph; local, permanent, billing and electronic addresses and telephone numbers; numbers of credit hours earned; participation in officially recognized activities and sports; place of birth; program of study (degree, major, minor, concentration or certificate being pursued); weight and height of members of athletic teams.

Students have the right to withhold the release of directory information. To do so, a student must complete the request for non-disclosure of directory information form, which is available from the Office of the Registrar. Submitting this form will create a restriction that will apply to all directory information elements, not just specific details. The form will prevent WOU from responding to any request for directory information made by a variety of sources outside the institution, including friends, parents, relatives, prospective employers, the news media and honor societies.

WOU interprets that the absence of a request to withhold any information by a student constitutes individual approval of disclosure.

## **Disclosure for Institutional Purposes (W-3c)**

The university discloses education records without a student's prior written consent consistent under FERPA's exception for disclosure to school officials with the "legitimate

educational interests". Examples of people who may have access, depending on their official duties and only within the context of those duties, include: members of the WOU Board of Trustees; university faculty and staff in an administrative, supervisory, academic, research or support position (including law enforcement unit personnel, members of the Crisis Assessment, Response and Education Team or health center staff); agents of the institution (contracted to provide a service instead of using employees such as attorney, auditor or collection agent); students employed by the institution or who serve on official institutional committees or assist another school official in performing his or her tasks; and representatives of agencies under contract with WOU.

## **Disclosure for Letters of Reference (W-3d)**

Students who desire letters of reference or recommendation from WOU faculty or staff members must request them through the online link found under the student's WOU Portal page.

## **Failure to Comply (W-3e)**

Students have a right to file a complaint with the U.S. Department of Education concerning alleged failures by WOU to comply with the requirements of FERPA.

## **Policies for Student Records (W-3f)**

WOU's Student Records Policy complies with the Family Educational Rights and Privacy Act (FERPA), which provides guidelines for maintaining the confidentiality of education records and monitoring the release of information from those records. Questions regarding FERPA should be addressed to the WOU Registrar.

## **Student Access (W-3g)**

Students have the right to inspect and review their education record within a reasonable time after WOU receives a request for access. To review your

record, contact the university office that maintains the record to make appropriate arrangements.

## **Refunds (W-4)**

Students who drop or withdraw from courses or the university may be entitled to refunds or reductions in fees, depending on the date of the drop or withdrawal. In all cases, the amount of the refund is based on the date the official written notification of withdrawal or cancellations is received by the university. Exceptions may be made when the formal withdrawal is delayed through extraordinary causes beyond the student's control.

The refund schedule has been established by WOU and the U.S. Department of Education and may be obtained from the Business Office or visit our website at [wou.edu/business/tuition-fees/concerning-refunds/](http://wou.edu/business/tuition-fees/concerning-refunds/).

## **Registration (W-5)**

Registration for an academic term begins the eighth week of the previous term. For example, registration for fall term starts the eighth week of spring term. Registration for summer term begins during the second week of spring term. Students are notified of their assigned registration period approximately one week prior to the beginning of registration and they may register at or any time after, the beginning of their assigned registration period. Students' registration time is assigned based on total credits earned, veteran status and continued enrollment. The Office of Disability Services arranges assistance with registration for students with disabilities; contact that office as early as possible before registration begins.

Courses at the 300 and 400 level are typically reserved for juniors and seniors, except by special permission from the faculty.

After registration, course schedules may be changed during the course add/drop period at the beginning of the term. See the Academic Calendar for deadlines and fees, if any, for schedule changes.

## **Students' Responsibilities for Registration (W-6)**

### **Address Information (W-6a)**

Students are responsible for keeping their address information updated through Wolf Web. WOU's academic offices rely on this student information to contact students to resolve problems with academic records, registration, advising or graduation.

### **Holds (W-6b)**

Students must resolve holds with the designated office prior to registration. Students can verify whether any holds exist through Wolf Web.

### **Prerequisite/co-requisites (W-6c)**

Students registered for a class who do not meet the prerequisite or co-requisite requirement may be administratively dropped from the class by the Office of the Registrar upon request from the academic department. The student's permission is not required when dropped for this reason. The academic department will notify the student via email before dropping him or her.

### **No-Show-Drop (W-6d)**

Students who do not attend the first two sessions of a class may be administratively dropped from the class by the Office of the Registrar upon request from the academic department. The student's permission is not required when dropped for this reason. The instructor will notify the student via email before dropping him or her. Students are strongly advised to notify faculty of any situation that may prevent class attendance during the first week.

## **Financial Responsibility (W-6e)**

Students are financially responsible for all courses in which they are officially registered, regardless of the level of their participation in the course.

### **Withdrawal (W-7)**

The following deadlines apply to fall, winter and spring terms. See the Academic Calendar for deadlines for summer term.

Week 1 through Week 4- A student may drop a course, without any record on the permanent academic transcript, online through the portal before the end of the fourth week of class.

Week 5 through Week 7- A student may withdraw from a course online through the portal and receive a W for the course on the permanent academic transcript if the student withdraws online in weeks five through seven of the term.

After Week 7 - After the seventh week of the term, students may not drop or withdraw from a class, except in the case of a medical emergency or other extenuating circumstance. Contact the Student Success Team in Academic Advising & Learning Center for assistance. For all other extenuating circumstances, contact the Vice President of Student Affairs.

In situations of emergency, accident, prolonged illness or other catastrophic event, a student may be allowed to withdraw from all classes without academic penalty from the university and all courses, at any time. (Such events will also be considered for exception to the official schedule for refunds.) Contact the Dean of Students & Judicial Affairs for assistance.

## **Non-Degree Seeking Students (W-8)**

A non-degree seeking student is a person who is qualified to enroll for classes at Western Oregon University (WOU), but is not seeking to earn a degree or other university credential for which formal admission to the university is required. The non-degree seeking status is specifically designed for the person who desires to take a very limited number of courses for purposes other than obtaining a degree or certificate at WOU.

A non-degree seeking student is required to abide by all the policies, regulations, codes of conduct, and rules of the university. Limitations placed upon a non-degree seeking student are:

1. Non-degree seeking students are limited to eight (8) undergraduate or graduate credits each term for fall, winter, and spring. The summer term limit is sixteen (16) or fewer undergraduate credits or twelve (12) or fewer graduate credits.
2. Non-degree seeking status is valid for four (4) terms for undergraduate classes, or two (2) terms for graduate classes. Students must apply for readmission once the allowed time is exhausted.
3. Only individuals that have earned a baccalaureate degree are potentially eligible to enroll as a non-degree seeking student for purposes of taking graduate classes.
4. Individuals with or without a baccalaureate degree may be eligible to enroll in undergraduate classes.
5. WOU will not evaluate or hold records in preparation for earning a university credential. These academic services are limited to fully-admitted, degree-seeking students only.

# Graduate Regulations

---

## Academic Load (G-1)

The full-time course load for graduate students is nine graduate credits, including coursework portfolio, professional project, field study or thesis. The maximum course load for graduate students is 16 credits with any combination of courses (graduate or undergraduate) during fall, winter or spring term. Twelve credit hours is the maximum load for graduate students during the six-week summer term.

## Credit by Examination (G-3)

Graduate courses cannot be challenged. If a graduate student has extensive background in an academic area, the graduate student's adviser can determine other graduate courses that can be substituted for the course in question on the plan of study. A substitution form must be submitted to the Graduate Programs Office.

## Filing a Program Plan (G-4)

All graduate students must file a program plan within the first 9 credits of coursework. This plan lists all courses needed for a particular graduate program.

- The proposed program plan must be completed with the assistance of the appropriate adviser and submitted to the Graduate Programs Office for final approval. Financial Aid receives program verification once the program plan is on file.
- Conditionally admitted graduate students, complete requirements for admission as a regular graduate student, including providing a program plan.
- Students who have not filed a program plan after completing nine credits of coursework will have a hold placed on registration until the form has

been filed with the Graduate Programs Office.

The steps listed above must also be completed by graduate students seeking additional endorsements, preparations, licensure, certificates or specializations.

## Final Exit Evaluation (G-5)

All graduate students must complete one or more final exit evaluations. The type of exit evaluation is determined when the graduate program plan is approved. Common exit evaluations consist of written comprehensive examinations, thesis, portfolio, action research projects, field studies and professional projects or combinations of two exit evaluations. The Graduate Programs Office will determine the type of exit evaluation(s) based on the graduate student's program plan.

Graduate students who write a thesis, professional project or field study must follow the procedures outlined in the guidelines which can be found on the web at [graduate.wou.edu](http://graduate.wou.edu).

Graduate students who prepare a portfolio should contact an adviser for information regarding specific portfolio requirements for that program.

Some divisions at WOU require comprehensive written examinations based on coursework in the student's content area in addition to the completion of thesis, field study, professional project or portfolio.

Final written comprehensive examination will be based upon areas of study in the approved program. Subject area questions will be based upon the statement of components, objectives and requirements outlined in the statement of program objectives. Graduate students who fail one or more areas of the written comprehensive examination may be given a program of self-study by their adviser(s) and may retake the area(s) failed at another regularly scheduled comprehensive examination.

Students may retake the written comprehensive examinations only once. Graduate students who score

unsatisfactorily (below C-) on any component of the comprehensive examination will be required to take a final oral examination on the unsatisfactory section. Final oral examinations will not be required of students who score a pass or above on all areas of the written comprehensive examination.

A graduate student is eligible to complete final evaluations only after all coursework has been completed or the student is in the final term of enrollment. Per policy, they can also participate in comprehensive exams spring term if they have two or fewer courses to finish during the subsequent summer term. All incomplete grades must be changed to a letter grade before a student will be allowed to take his or her comprehensive examination. An exception is made if the outstanding incomplete grade is for a current student teaching grade, exit project or special individual study course. Examinations are offered every term except summer.

## Graduate Faculty (G-6)

The graduate faculty consists of the President and Vice President of academic affairs of WOU, the academic Deans, Dean of Graduate Studies and Research, the colleges' graduate faculty coordinators and members of the faculty who have been named by their divisions and approved by the Dean of Graduate Studies and Research.

## To Teach Graduate Courses:

Qualifications: Earned graduate degree equivalent to or above the course degree level. Evidence of professional activity sufficient to assure awareness of current advances in the discipline or profession. Evidence of effective instruction or effectiveness in other types of professional presentations. In the case of new appointments, strength of evidence that indicates potential may substitute for experience.

## To Serve on Graduate Student Committees:

Qualifications: Earned graduate degree equivalent to or above the student's degree level. Evidence of professional activity or scholarship sufficient to assure awareness of current advances in the discipline or profession. Evidence of effectiveness in advising, participation on graduate student committees, and supervising graduate student research. In the case of new appointments, information suggesting potential for providing guidance to graduate students may substitute for participation on committees.

## To Direct Master's Exit Requirements:

Qualifications: Doctoral or other relevant terminal degree. A combination of a master's degree and scholarly activity may be considered as a substitute for a doctoral or terminal degree. Evidence of professional activity and scholarship indicating participation in advances in the discipline or profession.

## To Direct Doctoral Exit Requirements:

Qualifications: Doctoral degree. Evidence of professional activity and scholarship indicating active participation in current advances in the discipline or profession.

## Graduate Faculty Exceptions:

For exceptions to any portion of the graduate faculty requirements, faculty may appeal to their college dean. Upon recommendation of the college dean, the Dean of Graduate Studies and Research will review and consider whether an exception is justified and upholds the academic integrity of WOU graduate programs.

Division chairs shall include information and updates on Graduate Faculty members to the Graduate Programs Office as part of their annual spring review. This information should

include which faculty meets the criteria for teaching, directing, and serving on committees.

## Graduate Grading System (G-7)

The following grading scale is employed at the graduate level:

Excellent:	
	A
	A-
Normal graduate performance:	
	B+
	B
	B-
Below graduate standards:	
	C+
	C
	C-
Unsatisfactory performance:	
	D+
	D
	D-
	F

The following marks are also used. These grades are disregarded in the computation of grade-point averages.

P	Satisfactory completion ( <i>B- or better, special conditions apply</i> )
NC	No Credit, unsatisfactory
I	Incomplete ( <i>see Incomplete Grades (W-2c) and Special Regulations Concerning Incomplete Grades (G-11)</i> )

RP	Regular Progress (see Regular Progress Grades (W-2d) )
W	Withdrawn
X	No grade received/no basis for grade (see X Grades (W-2e) )

## Graduate Level Courses (G-8)

All graduate courses will be designed to help students achieve well-defined objectives or student learning outcomes. Student learning outcomes encompass the range of student attributes and abilities that students should be able to demonstrate after successful completion of the course.

### 400/500 courses

Courses bearing dual-listed numbers (400/500) must provide students who are enrolled for 500-level credit with graduate-level learning. Expectations for learning outcomes in the graduate component of dual listed (400/500 level) courses are the same as for stand-alone 500-level courses. A distinction must be made between learning outcomes for students taking the course for undergraduate credit (400 level) and those taking the course for graduate credit (500 level). In most cases this distinction should include emphasis on developing skills in analysis, synthesis, and/or evaluation for the 500-level credit. The differences in student learning outcomes should be accompanied by appropriate differences in learning opportunities and evaluation procedures.

### 500-level courses

These courses are graduate courses in support of graduate certificate/endorsement/specialization or master's degree programs.

Undergraduates of exceptional scholastic achievements may, outside of an Accelerated Undergraduate to Master's Pathway (AUMP), program be admitted to these courses on the approval of the instructor and they may, if admitted, under some conditions, use a limited number of

these courses toward a graduate certificate/endorsement/specialization or a master's degree program. These courses have one or more of the following characteristics:

- They require upper division prerequisites in the discipline.
- They require an extensive theoretical base in the discipline.
- They increase or re-examine the existing knowledge or database of the discipline.
- They present core components or important peripheral components of the discipline at an advanced level.

## 600-level courses

These are graduate courses available for use by graduate and AUMP students, for graduate certificate/endorsement/specialization or master's degree programs. In addition to exhibiting the characteristics of 500-level courses, these courses typically have increased level of sophistication on developing skills in analysis, synthesis, and/or evaluation.

At least 50 percent of coursework in a graduate degree program must be 600 level.

## 700-level courses

These are graduate courses offered principally in support of doctoral-level instructional programs but also are available for use on graduate certificate or master's level degree programs. In addition to exhibiting the characteristics of 600-level courses, these courses typically require 600-level prerequisites and they build on and increase the information presented in 600-level courses.

At least 50 percent of coursework in a doctoral degree program must be 700 level.

## Blanket-Numbered Courses

Blanket-numbered courses have a zero-middle digit. See Limitations on

Special Arrangement "0" Courses (G-11) regarding course limits.

- Research (601 or 701) is for research that is not part of the thesis. Data obtained from such research should not be incorporated into the thesis.
- Thesis (603 or 703) covers thesis research and writing. A student may register for thesis credit each term.
- Reading and Conference (605 or 705)
- Professional Projects (606 or 706) are used for special work not given under a formal course number.
- Seminar (607 or 707) is used both for departmental seminars and for special group work not given in a formal course.
- Workshop (608 or 708) is usually a special, short-term course covering a variety of topics.
- Practicum/Internships (609 or 709) is used for courses whose emphasis is the application of academic theory to the work environment.

### Purpose:

To allow qualified WOU undergraduate students that wish to pursue a master's program at WOU immediately after completing their undergraduate degree the opportunity to apply graduate coursework towards the completion of their undergraduate and master's degrees.

### Criteria for acceptance and continuation in the AUMP:

- Fully admitted undergraduates of senior standing
- Cumulative WOU GPA of 3.2 or above
- Pursuing an undergraduate program identified as participating in an approved AUMP
- Meets any requirements set by the graduate program that is more than the stated minimum requirements

- Undergraduate students who have been accepted to an accelerated undergraduate master's pathway must complete all of their bachelor's degree requirements and graduate within 12 months of the first day of the term in which they begin taking masters courses as part of the accelerated program. Students who fail to do so will undergo a progress review and may be dismissed from the accelerated program.

### Provisions:

- 500- and 600-level courses that may count toward both the bachelor's and master's programs will be determined through collaboration of designated faculty members in each program.
- AUMP students may take a maximum of 16 graduate credits while classified as an undergraduate.
  - Minimum grade of B (3.0) or better is required for a course to apply to the master's level program
  - Courses graded on a Pass/No Credit or Satisfactory/No Credit basis are not eligible for use in AUMP programs.
- The number of graduate credits earned in the AUMP program that can be applied to a master's program will be determined by the graduate program and academic regulation G-18.
- The number of graduate credits earned in the AUMP program that can be applied to an undergraduate program will be determined by the undergraduate program.

### Cost:

Undergraduates accepted into AUMP will pay at the undergraduate rate for the approved AUMP courses they take while still an undergraduate.

Upon full admission as a master's student applicable graduate tuition rates apply.

## **Graduate Student Expectations (G-9)**

### **Professional Code of Conduct**

#### **Graduate School Standards of Professional Behavior and Communication:**

Graduate students enrolled at Western Oregon University are expected to conform to basic regulations and policies developed to govern the behavior of students as members of the university community. Violations of the regulations subject a student to appropriate disciplinary or judicial action. Refer to the Code of Student Responsibility for detailed expectations. Additional information regarding the regulations and procedures for disciplinary action and appeal are available via the Office of Student Conduct and Community Standards website.

### **Grade Expectations:**

Although grades of C+, C and C- are below the graduate standard, up to eight hours may be counted as credit toward a graduate degree if the course(s) was/were taken through Western Oregon University. Grades below a B- cannot be transferred into a WOU graduate program from another accredited university or college. A maximum of 15 credits of non-degree graduate coursework can be applied to an endorsement or degree program.

The graduate student must always maintain a B (3.00 GPA) average on the courses fulfilling the degree requirements (courses listed on the student's graduate program plan of study). A department/program can establish more rigorous policies concerning the use of C grades in a degree program and/or overall minimum GPA requirements. Grades of D or F indicate unacceptable work and carry no graduate credit. A graduate student whose overall GPA falls below 3.00 or receives a grade of D or F must submit a petition with a plan of remediation to the Graduate

Studies Committee. The petition and plan of remediation must be approved by the student's adviser or program coordinator.

A grade of P/NC can be used by only a limited number of degree programs that have received special authorization and that can be counted as credit toward a graduate degree.

## **Graduation and Commencement (G-10)**

A graduate student graduates from WOU when the Office of the Registrar determines that all university requirements have been met. Graduation occurs at the close of any academic term. Upon graduation, a student's academic record is closed.

Commencement exercises at WOU take place once a year in June. Graduate students who are within one to two courses of completing degree requirements at Western Oregon University may participate in the Commencement ceremony if they have a plan on file in the Graduate Programs Office indicating that those courses will be completed during the subsequent summer term or fall terms. Students must also have completed comprehensive exams.

## **Applying to Graduate (G-10a)**

Each graduate student must file, via Wolf Web, an Application for Completion of Graduate Program with the Graduate Programs Office. This application also serves as the application to complete the final evaluation procedures. This is due one term before completion. For specific deadlines, refer to the Graduate Student Calendar on the Graduate Programs website. Additional general information is available on the website at [graduate.wou.edu](http://graduate.wou.edu).

Students who have completed more than half of their graduate program are eligible to apply for graduation. Once your application is submitted, you are responsible for informing the Graduate Programs Office of any changes in your intended graduation term, change in name or address and other graduation related information.

## **Definitions: Graduation vs. Commencement (G-10b)**

Graduation and commencement are not the same. A student graduates from WOU after applying to graduate and after the Office of the Registrar determines that all university academic requirements have been met. Students may graduate at the end of any academic term.

Commencement is WOU's annual ceremony in June that recognizes students' completion of degrees. Students who are eligible and wish to participate, must submit all required information by the deadline posted on the Graduate Programs Office online calendar. Failure to submit the necessary information by published deadlines may result in the student's name not being included in the published Commencement program. Students receiving their specializations, endorsements or certificates only are not eligible to participate in Commencement. Commencement is held for graduate students receiving graduate degrees.

## **Degree Evaluation System (G-10c)**

Degree Tracks is the official degree evaluation system for students and advisers. Students use this online system to check their progress toward their degree. For information on how to access and use Degree Tracks, see the Office of the Registrar website.

## **Resolve Incomplete Grades (G-10d)**

All incomplete grades must be completed and the grades entered by the instructor, NO LATER than the end of the term graduation is planned or the default grade will be applied.

However, an unresolved incomplete grade may prevent graduation because the default grade lowers a student's GPA or prevents a needed requirement from being met. Students are strongly encouraged to resolve incomplete grades within the shortest possible time to prevent problems closer to graduation.



## **Commencement Attendance (G-10e)**

Students are required to declare their intention to participate in June commencement according to the deadline specified on the Academic Calendar on the Office of the Registrar's website.

Students who have graduated in the previous summer, fall or winter terms are eligible to attend the Commencement ceremony. Students who have applied to graduate in spring, summer, or fall immediately following spring term may also participate in the ceremony.

## **Limitations on Special Arrangement "0" Courses (G-11)**

A maximum of 15 credit hours of workshops, special arrangement and practicum courses may be applied to a graduate degree program. These courses must be pre-approved by the appropriate adviser. Fifteen credit hours of 506, 606, 706, 507, 607, 707, 508, 608, 708, 509, 609, and 709 courses may be included in a program. Additionally, there is a limit of nine credit hours of any one number.

## **Minimum Registration (G-12)**

### **Minimum Registration Requirement**

Minimum Registration Degree-seeking graduate students are required to register once per academic year until all degree requirements have been completed. Unless on an academic leave of absence, degree-seeking graduate students who fail to maintain the minimum registration requirement will be regarded by the university as having resigned from the program. Students who later wish to resume studying toward the degree must reapply for admission to their graduate program using the Re-enrollment Application. Readmission cannot be guaranteed and is subject to program review. Programs may require

students to complete a new program application.

Graduate students involved in activities requiring any faculty time or library or use of other University resources are required to register for a minimum of one graduate credit during each term in which these activities occur. This includes students engaged in any phase or aspect of research, exit project, or thesis. A minimum of one graduate credit of registration is required any term (including summer) when students are completing a major milestone for the degree such as submission of a final project, thesis defense, taking comprehensive exams, and graduation. Individual graduate programs may have additional enrollment requirements relative to the amount of time required of the faculty or University resources.

Western Oregon University employees receiving tuition waivers in pursuit of their graduate degree are exempt from the Minimum Registration Requirement, however, employees involved in activities requiring any faculty time or use of university resources are required to register for a minimum of one graduate credit during each term in which these activities occur. This includes employees engaged in any phase or aspect of research, exit project, or thesis. A minimum of one graduate credit of registration is required any term (including summer) when students are completing a major milestone for the degree such as submission of a final project, thesis defense, taking comprehensive exams, and graduation.

### **Appeal**

In the case of extraordinarily extenuating circumstances, students may appeal the provisions of the Minimum Registration Requirement policy by submitting a detailed request in writing to the Dean of Graduate Studies and Research.

## **Implementation of Minimum Registration Policy**

Beginning Summer 2023, all graduate degree seeking students are subject to the minimum registration policy.

Students pursuing certificate-only, specialization-only, or endorsement-only are excluded from this policy.

## **Unauthorized Break in Registration**

A graduate student who takes an unauthorized break in registration by failing to maintain registration once per academic year or by failing to obtain an Academic Leave of Absence (see below) will relinquish their graduate standing in the university. Students who wish to have their graduate standing reinstated will be required to apply for readmission and pay the application fee. The readmission application must be reviewed and approved by the student's program coordinator and Director of Graduate Student Success & Recruitment. Acceptance back into a graduate program is not guaranteed even if the student departed in good standing. The petitioner for readmission will be required to meet university and departmental admission requirements and degree completion requirements that are in effect on the date of readmission.

## **Academic Leave of Absence**

Graduate students in good standing may request an Academic Leave of Absence to suspend their program of study for a good cause (i.e. illness, temporary departure for employment, family issues, financial need, personal circumstances). Students must submit an Academic Leave of Absence form indicating which term(s) they intend to be on-leave. Students may request more than one leave, but combined leaves cannot exceed six terms. The request must be reviewed and approved by the Program Coordinator, Director of Graduate Student Success & Recruitment, and the Dean of Graduate Studies and Research. Students who are granted Academic Leave of Absence may not use university resources or faculty time. A leave of absence does not waive or extend the time limit for completion of a graduate program.

## Student Fees

Students on Academic Leave of Absence status are not subject to tuition & fees for the terms they are on leave.

Financial Aid Students who are registered for a minimum of one credit, do not meet the minimum requirement of half-time for federal loans, and therefore are not eligible for federal financial aid. Students who follow the process for an Academic Leave of Absence, will be treated as a withdrawal for financial aid purposes. A student who does not attend through at least 60.01% of the term will have their aid recalculated and aid will be returned as required with the Return of Title IV calculation. The student will then be financially responsible for paying these funds back to Western Oregon University.

## Non-Degree Student (G-13)

Students who are working toward a planned program of graduate study, on or off campus, must file for admission as outlined above if they expect to complete licensure requirements or become candidates for a degree. Effective Fall 2014, allows a maximum number of 15 credits of non-degree graduate coursework to be applied to an endorsement, certificate, specialization, and/or degree program.

## Petition Process (G-14)

Students that receive more than 8 total credits of C's, more than 9 credits of incompletes, a GPA lower than 3.0 or a D/F grade will be removed from their program and required to petition for re-enrollment. This process is conducted at the end of each term and students will be notified immediately of their academic standing via email to their student account. Students are required to submit a petition via the General Graduate Student Petition form to the Graduate Programs Office by the deadline given. Students that fail to meet the deadline can petition afterwards for reinstatement in the following term pending approval by the committee which is composed of three members of the graduate faculty.

Students are allowed to submit **no more than two** petitions during their academic program. If a student exceeds this limit they will be removed from their program and required to take a minimum of one academic year off their studies. After this leave of absence, they can submit a petition that includes a plan of remediation to be considered for reinstatement. Petitions for reinstatement require program coordinator support. No reinstatement is guaranteed.

## Re-enrollment (G-15)

Students who have not enrolled in courses for more than four terms will have their student status inactivated as per the Minimum Registration Requirement policy. They will be required to submit a re-enrollment application along with adviser approval, in order to enroll in courses or have their degree, endorsement, specialization or certificate recorded with the Graduate Programs Office.

## Residency Credit Requirement (G-16)

All graduate programs will include at least  $\frac{2}{3}$  of their graduate credits from WOU.

## Special Regulations Concerning Incomplete Grades (G-17)

See university regulation Incomplete Grades (W-2c)

- The instructor of a course has the final decision regarding the appropriateness and willingness to award a grade of incomplete.
- A graduate student with more than nine (9) hours of uncleared incomplete coursework (except for student teaching, internship, thesis, field study and/or professional project) will have a hold placed on registration until a petition has been submitted to the Dean of Graduate Studies and Research and a remediation plan approved.

- A student requesting a grade of incomplete and the course instructor issuing a grade of incomplete must both sign a contract that specifies:
  1. The course assignments still need to be submitted to remove the incomplete grade.
  2. A timeline for completion of course requirements:
    - A student who has a grade of incomplete in a course that is a prerequisite for a subsequent course may not enroll in the subsequent course until the grade of incomplete is removed or must receive the permission of the instructor to be allowed to enroll into the subsequent course.
    - Any graduate program can decide to not allow a student to register for their final professional field experience (student teaching, internship, etc.) on the basis that incomplete grades have not been cleared before the beginning of the final professional field experience.
    - The Graduate Programs Office will not allow students to sit for their final comprehensive examination until past incomplete grades have been cleared.

## Transfer Credits (G-18)

Transfer credits are those taken pre-admission to a graduate program at WOU or at another regionally accredited university.

Transfer credits, outside of a defined Accelerated Undergraduate Master's Pathway, must be documented with an official sealed transcript from a regionally accredited university, approved by the student's program

coordinator, and should be submitted and approved early in the student's program to the Graduate Programs Office. Transfer credits are subject to approval by the Dean of Graduate Studies and Research.

Courses to be transferred must be graduate level. It is the responsibility of the student wishing to transfer the course to provide necessary documentation to satisfy WOU guidelines.

Graduate students must earn a minimum of 2/3 of the credits required for their graduate degree at WOU, after formal admission to the graduate degree program. Individual programs may have stricter limitations. Pre-admission and transfer credits for graduate degrees must meet the following requirements: must be a letter grade of B- or higher and must total no more than 1/3 of the required credits for a graduate degree. Eligible WOU credits applied toward a completed graduate certificate can be applied toward a subsequent graduate degree without counting toward the pre-admission limits.

A maximum of 15 credits of non-degree graduate coursework can be applied to an endorsement or degree program with adviser approval.

\*Credits from non-accredited colleges and universities cannot be used in a graduate program.

## **Master's Regulations**

### **Time Limit to Complete Master's Degree (M-1)**

All work toward a master's degree must be completed within seven years. Extensions of this time limit may be requested by submitting a Graduate Student Petition to Graduate Programs.

## **Doctoral Regulations**

### **Time Limit to Complete Doctoral Degree (D-1)**

All work toward a doctoral degree must be completed within ten years. Extensions of this time limit may be requested by submitting a Graduate Student Petition to Graduate Programs.

## **Final Exit Requirements (D-2)**

### **Final Exit Requirements (D-2a)**

Students are required to complete an exit requirement as determined by the professional doctoral program to demonstrate candidates' preparation for advanced practice in the profession. The exit requirement is met by providing Graduate Programs with exit documentation.

### **Final Exit Form (D-2b)**

Students in professional doctoral programs submit an original final document demonstrating original thinking and the ability to evaluate research in the field analytically. Students in professional doctoral programs are expected to follow the document formatting standards in their individual disciplines. Each committee member indicates approval of the student's final document by posting their decision on the Final Exit Form.

## **Undergraduate Regulations**

---

### **Academic Regulations for Undergraduates (U-1)**

Registrar Amy Clark  
wou.edu/registrar

The Office of the Registrar is responsible for maintaining the integrity and accuracy of academic records including student enrollment, grades, transcripts and degrees; eligibility for veterans' benefits; and maintaining compliance with state and federal laws, particularly the Family Educational Rights and Privacy Act (FERPA).

Students use "Degree Tracks" online evaluation software to track their progress toward their degree. Students should refer to it each term before meeting with their adviser and registering for classes.

Undergraduate regulations are applicable to undergraduate, post-baccalaureate and non-degree undergraduate students.

Contact the Office of the Registrar for assistance with undergraduate and institutional academic regulations, located in the Lieuellen Administration Building, first floor or call 503-838-8327. Forms and information may also be found online at [wou.edu/registrar](http://wou.edu/registrar).

### **Academic Standing (U-2)**

A student's academic standing is considered part of the academic record and is noted on the student transcript for each term.

### **President's Honor Roll (U-2a)**

To be eligible for this accomplishment for the term, an undergraduate student must take at least 12 hours, graded (A through D-) and earn a grade-point average (GPA) of 4.00. Credits earned at another institution in the same term

and credits graded as either P or S are not included in the GPA calculation. A grade of F or NC precludes President's Honor Roll eligibility during the term in which those grades are received.

## **Dean's Honor Roll (U-2b)**

To be eligible for this accomplishment for the term, an undergraduate student must take at least 12 hours, graded (A through D-) and earn a grade-point average (GPA) of at least 3.50. Credits earned at another institution in the same term and credits graded as either P or S are not included in computing the GPA. A grade of F or NC precludes Dean's Honor Roll eligibility during the term in which those grades are received.

## **Good Standing (U-2c)**

A student is in good standing and doing satisfactory work when a GPA of 2.00 or better is maintained for the term and the student is progressing toward completing graduation requirements.

## **Academic Warning (U-2d)**

When a student's GPA in any term falls below 2.00, the student is put on academic warning and is required to complete an online workshop or meet with an academic adviser in the Student Success and Advising Center. An academic standing hold will be placed on the student, which prevents the student from registering for courses until the student completes the required steps. If the student's term and cumulative GPA improve to 2.00 or better in the next term, then the academic standing hold is lifted and the student is returned to good standing.

## **Academic Probation (U-2e)**

If a student is on academic warning in one term and earns a GPA below 2.00 in the next term, the student is placed on academic probation and is required to meet with a student success specialist in the Student Success and Advising Center. An academic

standing hold will be placed on the student, which prevents the student from registering for courses until the student completes the required steps. If the student's term and cumulative GPA improve to 2.00 or better in the next term, then the academic standing hold is lifted and the student is returned to good standing.

## **Continued Probation (U-2f)**

If a student's cumulative GPA remains below 2.0 but their term GPA is a 2.0 or higher, the student is placed on continued probation. Students remain on continued probation until their cumulative GPA is a 2.0 or higher. However, if the student's term GPA falls below 2.0, they are placed on academic suspension.

## **Suspension (U-2g)**

If a student is on academic probation or continued probation and earns a GPA below 2.00 in the next term, the student will be suspended and required to take the term following suspension off from WOU. Suspended students are denied all privileges of the institution. To be reinstated after one term, the student must complete a Request for Reinstatement with the Office of the Registrar. When readmitted, students are required to enroll in and successfully complete, the university's mandated learning seminar. Students who begin the reinstatement process less than four weeks prior to the start of the term in which reinstatement is desired may delay their return until the following term.

## **Subsequent Suspension(s) (U-2h)**

Students suspended a second time, at any point after the first suspension, are required to take a one-year (four terms) leave from the university; or complete a minimum of 24 transferable credits at a community college and earn a GPA of 2.5 or higher; or petition successfully to the WOU review committee for a waiver from either of the above requirements. The committee's decision is final.

Students suspended for a third time, for any reason, are required to take at least a one-year (four terms) leave from the university or petition to the WOU review committee to determine conditions for returning. The committee's decision is final.

## **Bachelor's Degrees (U-3)**

Several options exist for students interested in pursuing a WOU bachelor's degrees.

### **One Degree (U-3a)**

Students may pursue one degree, by completing the baccalaureate requirements listed in the catalog. Students pursuing teaching licensure should be aware that requirements are established by the Oregon Teaching Standards and Practices Commission and are subject to change.

### **Subsequent Degree (U-3b)**

Students may pursue a second bachelor's degree after completing their first bachelor's degree. To do so, the student must complete the following requirements:

- Fulfill all major requirements for the second degree, including a minimum of 36 additional undergraduate credit hours after earning the first degree (if it was from WOU). If the first degree was from another accredited institution, then the student must earn a minimum of 45 additional undergraduate credit hours after earning the first degree.
- At least 75 percent of the additional credit hours must be earned at WOU.
- All course credit earned toward the second degree must be taken with an A-F grade option unless the course is only designated as P/NC grade option only.
- Students are not eligible to graduate with honors with a second bachelor's degree.

## Two Degrees (U-3c)

Students may pursue two degrees at one time, for example, a Bachelor of Arts and a Bachelor of Music. To do so, the student must fulfill the appropriate core curriculum, all degree requirements and other program requirements for two majors.

## Catalog Year (U-4)

The academic year has four terms, fall, winter and spring, each of which have 10 weeks of class plus final examinations; summer term offers varying course schedules. Undergraduate students may enter the university at the beginning of any term.

This catalog lists requirements and policies in effect at the beginning of summer term for the academic year. Degree, program[i] and graduation requirements for a given catalog year are valid only for seven years.

- A catalog year for degree, general education, and program requirements is assigned to students according to their first term of enrollment.
- Degree Partnership[iii] students are assigned catalog year requirements according to their term of admission to the university.
- Students may choose a catalog year greater than their term of admission, but in no case shall a catalog year be more than seven years old.
- The assigned or chosen catalog year for university and general education requirements may differ from the catalog year assigned or chosen for major/concentration/minor/certificate requirements
- A WOU adviser may approve for a transfer student to utilize the catalog year for degree, general education, and/or program requirements that best serves the student, provided it is not older than the student's first term of enrollment at the regionally accredited college or

university from which the student transferred to WOU.

- The catalog year of a major and any attached concentrations must be the same.
- At the time of declaration a concentration is assigned a catalog year identical to that of its corresponding major.
- In the event that the major catalog year is changed, any attached concentrations will consequently be updated to correspond with the major.
- A WOU adviser may approve a student to utilize a catalog year for minor and/or certificate requirements that differs from the catalog year of the student's major/concentration if it is in the best interest of the student to do so.
- The institution may find it necessary to make changes to courses, degree, general education, and/or program requirements. In the event that such changes affect students already enrolled, to the extent possible the institution will find reasonable accommodations to ensure continued progression towards degree completion.

[i] Programs consist of at minimum a major, but may also include concentration, minor, and/or certificates.

[iii] Degree Partnership refers to students enrolled in a specific partnership program agreed to by Western Oregon University and a partner college or university, in which the student is admitted and eligible to enroll at both institutions simultaneously.

## Class Standing (U-5)

Students are classified according to their level of earned credit hours, based on an academic quarter system.

Freshman:	0-44 credit hours
Sophomore:	45-89 credit hours

Junior:	90-134 credit hours
Senior:	135+ credit hours

Post-baccalaureate: A student who is pursuing a second baccalaureate degree or licensure.

Postbaccalaureate students are not considered graduate students.

Non-degree student: A non-degree seeking student is a person who is qualified to enroll for classes at Western Oregon University (WOU), but is not seeking to earn a degree or other university credential for which formal admission to the university is required. The non-degree seeking status is specifically designed for the person who desires to take a very limited number of courses for purposes other than obtaining a degree or certificate at WOU.

## Credit by Examination (U-6)

Students may be able to receive credit by examination in courses for which they can demonstrate proficiency. To qualify, a student must be enrolled at least half-time, not taken the course previously. A maximum of 45 hours of credit by exam credit hours may be applied to undergraduate degree requirements; a maximum of 15 credit hours may be applied to initial licensure programs.

- Obtain the "credit by examination" form from the Office of the Registrar or website and complete the form indicating qualifications for the relevant course.
- Take the form to the appropriate division chair who will approve or reject the application. If rejected, the form will be returned to the Office of the Registrar for filing purposes. If approved, the chair will designate the examining instructor or instructors and the date and time for the examination.
- Pay the examination fee of \$25 per credit at the Cashier's Office and return the form to the examining instructor. The fee is subject to change without notice.

- The examination may be verbal, written or performance variety or any combination. A score equivalent to a grade of A or B shall be interpreted as successful; the instructor shall notify the department chair of the examination score. The department chair shall return the completed form (with appropriate signatures) to the Registrar, who will notify the student. If the student has been successful, a grade of "P" will be entered on the student's record.
- A student who fails an exam may not re-apply for credit by examination for the same course.

## Grading Standards (U-7)

Grades measure students' achievement of competence in theoretical, technical or aesthetic dimensions of coursework, relevant to the course learning outcomes and instructor expectations. Only courses with grades of A through D-, S or P are counted as credit hours applied to a degree program.

A, A-	Excellent
B+, B, B-	Above Average
C+, C, C-	Average
D+, D, D-	Below Average
F	Failure
P	Pass: Used in courses in which no letter grade is assigned.
S	Satisfactory:  Summer 2022 forward, Satisfactory: Students have the option to take designated courses on a Satisfactory-No Credit basis; the satisfactory level to pass is defined as

	equivalent to a grade of C- or better.  Prior to Summer 2022 students had the option to take elective courses on a Satisfactory-No Credit basis; the satisfactory level to pass is defined as equivalent to a grade of D- or better. (Elective courses are those that are not used to fulfill General Education, the bachelor's degree requirements or the declared major and minor requirements.) The student must choose this option at registration and cannot reverse that decision.
RP	Regular Progress: Used only in courses that extend past the regularly scheduled end of term; these courses are identified as such in the course descriptions. When the coursework is completed, the instructor will submit a grade change to the appropriate letter grade.
I	Incomplete: An essential requirement of the course has not been completed for reasons acceptable to the instructor.
NC	No credit earned
X	No basis for grade: Used only if student failed to appear for the course or there is no basis for grading the student. The instructor must designate the last date of attendance, if any.
W	Withdrawal from a course after the fourth week of the term.
AU	Audit

## Graduation and Commencement (U-8)

### Applying to Graduate (U-8a)

Students who have achieved senior standing are eligible to apply for graduation. Post-baccalaureate

students may apply at any time. It is recommended that students apply for graduation three terms ahead of the intended term of graduation. For specific deadlines, refer to the Academic Calendar on the Office of the Registrar's website.

The Application for Undergraduate Degree is submitted electronically to the Office of the Registrar. Once your application is submitted, you are responsible for informing the Office of the Registrar of any changes in your major/minor/concentration, intended graduation term, change in name or address and other graduation related information.

## Definitions: Graduation vs. Commencement (U-8b)

**Graduation and commencement are not the same.** A student graduates from WOU after applying to graduate and after the Office of the Registrar determines that all university academic requirements have been met. Students may graduate at the end of any academic term. Upon graduation, a student's academic record is closed.

Commencement is WOU's annual ceremony in June that recognizes students' completion of degrees. Students who are eligible and wish to participate, must submit all required information by the deadline posted on the Office of the Registrar's online calendar. Failure to submit necessary information by published deadlines may result in the student's name not being included in the published Commencement program.

## Degree Evaluation System (U-8c)

Degree Tracks is the official degree evaluation system for students and advisers. Students use this online system to check their progress toward their degree. For information on how to access and use Degree Works, see the Office of the Registrar website.

## Honors Distinction (U-8d)

The faculty at WOU recognizes undergraduate student scholarship by conferring honors distinction at Commencement to students who have earned a cumulative WOU grade-point average of 3.50 or better as of the end of winter term immediately preceding the Commencement ceremony. Grade-point averages will be recalculated when all coursework is completed and the degree is conferred and appropriate honors distinctions will be noted on the transcript.

To qualify for honors distinction, students must have completed at least 45 credit hours through WOU, with these credit hours graded on an A-F basis. Honors distinctions include *cum laude* for those students with a cumulative GPA between 3.50 and 3.64, *magna cum laude* for a cumulative GPA between 3.65 and 3.79 and *summa cum laude* for a cumulative GPA between 3.80 and 4.00. All honors distinctions are noted on the student's transcript.

## Honors Program Graduates (U-8e)

Students who graduate from the Honors Program with at least a 3.25 cumulative WOU grade point average will have *in cursu honorum* printed on their diploma and *in cursu honorum* Honors Program will be noted on the transcript.

## Resolve Incomplete Grades (U-8f)

All incomplete grades must be completed and the grades entered by the instructor, NO LATER than the end of the term graduation is planned or the default grade will be applied.

However, an unresolved incomplete grade may prevent graduation because the default grade lowers a student's GPA or prevents a needed requirement from being met. Students are strongly encouraged to resolve incomplete grades within the shortest possible time to prevent problems closer to graduation.

## Transfer Credit (U-8g)

Students who have earned course credits from other institutions recently before the intended term of graduation must request an official transcript from that institution be sent to WOU's Registrar by the deadline on the online Academic Calendar on the Office of the Registrar's website.

## Commencement Attendance (U-8h)

Students are required to declare their intention to participate in June commencement according to the deadline specified on the Academic Calendar on the Office of the Registrar's website.

Students who have graduated in the previous summer, fall or winter terms are eligible to attend the Commencement ceremony. Students who have applied to graduate in spring or in the summer or fall term immediately following spring term may also participate in the ceremony.

## Re-enrollment (U-9)

If a student has not registered for courses for four terms, WOU will inactivate the student's status. When the student wishes to register for courses again, he or she will need to submit an undergraduate re-enrollment application to the Office of the Registrar.

Students who leave WOU and complete coursework from another institution must have earned a GPA of 2.0 or higher and be eligible to return to the last institution attended. Official transcripts of all academic work attempted and/or completed since leaving WOU must be on file in the Office of the Registrar before the re-enrollment will be considered.

Students who leave WOU under academic suspension must submit a re-enrollment application together with a request for reinstatement to the registrar requesting re-admission at least one term before the desired term of enrollment.

## Repeated Courses (U-10)

### Grades for Repeated Courses (U-10a)

Course descriptions provide specific information about courses that may be repeated and counted multiple times for credit (and calculation in the student's GPA). If this is not mentioned in the course description, the course can only be counted once.

If a student chooses to repeat a course to improve their grade, only the most recent grade and credits will be used to calculate the student's GPA, even if the earlier grade was higher.

### Registration for Repeated Courses (U-10b)

Course descriptions provide specific information about courses that may be repeated and counted multiple times, for credit. If this is not mentioned in the course description, then students are advised not to register for the course again because it will only be counted once.

Students may repeat a course to improve their grade; however, only the most recent grade and credits will be computed in the GPA.

Courses taken on an audit or satisfactory-no credit basis may not be repeated for an A-F or Pass-No Credit grade.

Students who receive federal financial aid and retake a course, may find that it reduces their financial aid package. Contact the WOU Financial Aid Office for assistance before registering for a repeat course.

## Undergraduates Taking Graduate Course (U-11)

Undergraduate students within 12 quarter hours of completing all requirements for the bachelor's degree, but not including student



teaching, may petition to enroll in up to 12 credit hours of graduate courses numbered 500-599. These courses can be reserved for later use in a graduate degree program. Undergraduate students cannot register for any 600-699 courses. Petition forms to reserve graduate courses are available from the Office of the Registrar. Refer to the Accelerated Undergraduate to Masters Pathway (AUMP) program for alternate means of earning graduate credit while completing your undergraduate degree.

## Satisfactory/No Credit Grade Mode (U-12)

Undergraduate students may elect to take designated courses on Satisfactory/No Credit (S/NC) basis. S/NC grading operates as follows:

- A grade of S may apply towards general education and elective requirements.
- Programs will determine which, if any, requirements in their major, minor, concentration, and/or certificate can be fulfilled with a grade of S.
  - Each major, minor, concentration, and/or certificate will have a notation regarding the use of S grades in meeting requirements for that program.
- Students must elect the S/NC grade mode by Friday week-7 of the term.
  - An equivalent deadline applies to Summer term sessions.
- A grade of C- or higher is equivalent to a grade of S.
- A grade below C- is equivalent to a grade of NC.
  - NC grades do not fulfill any requirements.
- Only 36 credits, with a grade of S, may be applied towards requirements.

## Transfer Credit (U-13)

### Course Articulation (U-13a)

Course articulation is the process by which the institution compares the content of WOU courses with the content of courses from other institutions for the purpose of awarding credit at WOU.

#### Equivalent to a WOU course

A sufficiently aligned eligible transfer course will be articulated to a WOU course. Transfer courses that are equivalent to WOU courses will, with the exception of possible limitations\*, apply to requirements in the same manner as WOU courses.

*\*See Limitations U-13d*

#### Not Equivalent to a WOU course

General credit is given for eligible transfer courses without a WOU equivalent. General Credit is denoted by course numbers ending in 'XX'. Applicability of courses without a WOU equivalency varies. Consult your advisor.

#### Equivalency Determinations

Lower-division transfer equivalencies are evaluated by the Office of the Registrar upon receipt of an official transcript from an eligible institution. As needed, the office will consult divisions/departments, the General Education Committee, or other content area experts to determine appropriate equivalencies.

Upper-division transfer equivalency decisions are made by division and department chairs in consultation with faculty content experts in their unit.

#### General Education

A transfer course that is equivalent to a WOU course is applied towards general education requirements in the same manner as the WOU course.

A transfer course without a WOU equivalency may apply to a general education requirement if the General

Education Director, in consultation as needed with the General Education Committee (G.E.C.), determines that the course outcomes align to a particular general education outcome. Many non-equivalent transfer courses have been reviewed and approved by the G.E.C. Those courses automatically apply to the appropriate requirement. Students may request a review of their non-equivalent transfer course(s) by the director (see Requesting an Articulation Assessment).

#### Requesting an Articulation Assessment

Students may request a review of the current articulation of their transfer course. Requests for review must be made within one term of the articulation being posted to a student's record.

When general elective credit is granted a student may request that course be reviewed to determine if it is equivalent to a WOU course and/or for the course to complete a General Education requirement. If the eligible transfer course is equivalent to a WOU course, a student may request that it be reviewed as a potential equivalent to a different WOU course.

Be prepared to provide as much information as possible about the transfer course, such as a course description and/or syllabus.

To request that an articulated transfer course be considered for a different articulation email the Office of the Registrar ([registrar@mail.wou.edu](mailto:registrar@mail.wou.edu)). Provide your student ID number, the name of the transfer institution, the transfer course, and the current equivalent. Explain what equivalent you are seeking and why. If available, provide the course description and/or syllabus for review. The office will review the materials and consult faculty as needed to make a determination. The decision is final.

To request that an eligible non-equivalent transfer course apply towards a general education requirement. submit an online petition (<https://wou.edu/gened/gened-resources/>) to the General Education Committee (G.E.C.). The G.E.C. 's decision is final.

#### Oregon Standard Articulations

In accordance with Oregon state law WOU honors articulations established through statute at the state level. This includes adhering to common course numbering requirements, major transfer maps, and core transfer maps.

## Credits (U-13b)

### Quarter Credit System

Western Oregon University operates on the term or quarter system. One quarter hour represents approximately 50 minutes of classwork per week during a 10-week term. Fall, winter, and spring terms are approximately 10 weeks long, followed by a one-week period of examination. Summer term includes a variety of session lengths.

Transfer credits from eligible institutions that are also on a term/quarter system articulate on a one-to-one credit basis.

### Semester to Quarter Calculation

Transfer credits from eligible institutions that operate on a semester system are converted to quarter credits by multiplying the number of credits awarded at the semester institution by 1.5.

### Any Other Unaligned Credit

Upon conversion to the quarter system, the total credits earned are granted for all eligible transfer courses.

Any eligible equivalent transfer courses in which the credit earned exceeds the number of credits of the WOU equivalent course are granted credit for the equivalent course, and the excess credits are granted as general credit denoted by course numbers ending in 'XX'.

Eligible equivalent transfer courses in which the credits earned are less than the WOU equivalent course are only granted the credit earned at the transfer institution. The equivalency may still apply to requirements; however, this may lead to a credit deficiency in areas that have minimum credit requirements. Consult your advisor.

## Eligibility (U-13c)

### Credit from Regionally Accredited Institutions

Transfer credit is granted for courses completed at regionally accredited institutions\*.

*\*See Limitations U-13d*

### Credit from Unaccredited Institutions

No transfer credit is granted at entrance for work at unaccredited institutions. After completing one year or 45 credits with a 2.0 or better GPA at WOU, credit earned at unaccredited institutions may be reviewed to determine what, if any, will be allowed for credit by petition through the Office of the Registrar.

### Official Transcripts

An official transcript is required to seek transfer credit; unofficial transcripts are not acceptable. Submit the official transcript to the Office of the Registrar for evaluation. Official transcripts must be delivered directly from the transfer institution to WOU. The office will accept hand delivery of an official transcript in a sealed envelope that has not been opened.

Official transcripts must be submitted for all post-secondary institutions that a student has attended.

### Student Level

Articulations are completed by the Office of the Registrar for undergraduate students. Transfer credits are not articulated for post-baccalaureate students.

Graduate student transfer credit is articulated by the Graduate Programs Office in accordance with graduate regulations.

### Course Level

Only collegiate level courses will be considered for articulation. Oregon public institutions define collegiate level as 100 or above.

## Limitations (U-13d)

### Community College Credit

A cumulative 124 quarter credit hours of eligible transfer courses are accepted from community colleges.

### Vocational-Technical and Career Technical Education

A maximum combined 24 quarter credit hours of eligible vocational-technical and career-technical coursework may be accepted as elective credit toward part of the 124 allowed hours.

### Upper-division Credit

Lower-division credit earned at a community college does not count as upper-division credit. A lower-division eligible transfer course from a community college that is equivalent to a WOU upper-division course will not apply towards any upper-division requirements. Consult your advisor.

### WOU Academic Residency

Western Oregon University only issues degrees to students who have completed a sufficient number of credits in residence at WOU\*. Undergraduates are advised to only enroll in WOU classes when completing their final 45 credit hours unless they have already completed 150 or more credits in residence at WOU\*. Consult your advisor.

*\*See University Graduation Requirements . Note, that there may be program specific exceptions.*

### Exclusions

WOU does not recognize other institutions' academic forgiveness policies.

### Repeated Courses

Eligible transfer courses that are repeated, at the transfer institution or a combination of WOU and a transfer institution, are included and excluded in the earned, attempted, and GPA hours in compliance with the most

recent repeat rule in effect for the WOU equivalent course.

In the instance of a course for which WOU does not allow students to repeat and earn credit for the same course twice, the most recent course taken (WOU or eligible transfer course) is included in earned and GPA hours; all others are excluded from earned and GPA hours.

In the instance of a course for which WOU allows students to repeat a course for credit, the most recent courses taken (WOU or eligible transfer course) will be included in earned and GPA hours\* until the limit is reached. Courses taken in excess of the maximum allowed are excluded from earned and GPA hours.

All repeated courses (WOU and/or eligible transfer course) count in attempted hours.

*\*Credits are included or excluded at the course level. Credits are not split.*

## Other Types of Credit (U-13e)

### Military

Any student receiving GI Bill® education benefits while attending Western Oregon University is required to obtain transcripts from military training and submit them for evaluation of prior credit.

### American Council on Education (A.C.E)

Upon submission of official documentation, credit endorsed by A.C.E. will be evaluated to determine if equivalent or general credit may be awarded.

### Other

Learning completed through various other online forums are not transferable unless they are transcribed at a regionally accredited institution\*.

*\*See Eligibility (U-13c) requirements.*

## Standardized Exams (U-13f)

Students who receive qualifying scores in certain standardized exams may, upon admission, be granted credit toward a baccalaureate degree. Exam-based credit is subject to exclusion under the institutional repeat regulation.

No letter grades (A, B, C, D) will be assigned to credit granted on the basis of an exam.

WOU will grant credit for Advanced Placement exam scores of 3, 4 and 5. Official test scores should be sent from the College Board to the Office of the Registrar at WOU. The amount of credit will vary from subject to subject.

### Advanced Placement Credit

#### American Chemical Society Organic Chemistry Exam

Students who receive a grade of C or better in each 200-level course of an organic chemistry sequence at a Oregon public community college and who also score at or above the 50th percentile on the American Chemical Society national organic chemistry exam, may have upper-division organic chemistry requirements in their major waived. Official transcripts and an official letter from the community college should be sent from the community college to the Office of the Registrar at WOU.

#### College Level Equivalency Program (CLEP)

WOU will grant credit for Course Level Equivalency Program (CLEP) exams. The minimum exam score requirement varies by subject; see the scoring table for details. Official test scores should be sent from the College Board to the Office of the Registrar at WOU.

#### College Level Equivalency (CLEP) Scoring Table

#### General Certificate of Education (GCE) Examinations

#### General Certificate of Education (GCE) Scoring Table

WOU will grant credit for International Baccalaureate (IB) exam scores of 4 or higher. Official test scores should be sent from the International Baccalaureate organization to the Office of the Registrar at WOU. The amount of credit will vary from subject to subject.

#### WOU International Baccalaureate Program Credit Guidelines

## Transfer Agreements (U-13g)

### Oregon Transfer Agreements

Transfer students entering WOU who have earned either an Associate of Arts Oregon Transfer degree (AAOT) from an Oregon community college under the May 1988 transfer agreement or an Associate of Science Transfer degree (ASOT) from an Oregon community college under the April 2003 transfer agreement, will be considered as having met WOU's General Education requirements. For purposes of course registration only, students holding an AAOT or ASOT will be considered to have junior standing. The following degrees in the state of Oregon meet WOU's General Education requirements:

Institution	Degree
Any Oregon Community College	<ul style="list-style-type: none"> <li>Associate of Arts Oregon Transfer (AAOT)</li> </ul>
Any Oregon Community College	<ul style="list-style-type: none"> <li>Associate of Science Transfer (ASOT)</li> </ul>
Chemeketa Community College	<ul style="list-style-type: none"> <li>Associate of Science from Chemeketa Community College</li> </ul>
Linn-Benton Community College	<ul style="list-style-type: none"> <li>Associate of Science in Human Development and Family Studies</li> <li>Associate of Science from Linn-Benton Community College</li> </ul>
Mt. Hood Community College	<ul style="list-style-type: none"> <li>Associate of Science from Mt. Hood Community College</li> </ul>

### Other Oregon Transfer Agreements

Students who have earned the Oregon Transfer Module (OTM) will meet all WOU General Education requirements with the exception of Integrating Knowledge (2 courses, 6-8 credits). A notation verifying that the Associate degree meets the Oregon Transfer Degree requirements or Oregon Transfer Module requirements must be included on the student's official transcript.

A Major Transfer Map (MTM) agreement stipulates that upon successful completion, the student receives credit towards major requirements that will set their standing as a junior in their major. The MTM does not clear general education requirements or guarantee the student has earned sufficient credits to be considered a junior at the institutional level, which requires a minimum of 90 earned credit hours.

A Core Transfer Map (CTM) agreement stipulates that upon

successful completion, the student is guaranteed to have 30 credits of the CTM applied toward their general education requirements.

## Transfer Degrees from Other States

Students from designated states who have earned specific transfer degrees will be considered as having met WOU's General Education requirements. The transfer degrees are as follows:

State	Degree & Institution
Arizona	<ul style="list-style-type: none"> <li>Associate of Arts in American Sign Language and Interpreting Studies from Coconino Community College</li> </ul>
California	<ul style="list-style-type: none"> <li>Intersegmental General Education Transfer Curriculum (IGETC)</li> <li>California State University General Education (CSU GE)</li> <li>Associate of Arts for Transfer in Elementary Teacher Education from Fresno City College</li> </ul>
Colorado	<ul style="list-style-type: none"> <li>Associate of Arts in Statewide Transfer Major from Community College of Denver</li> </ul>
Georgia	<ul style="list-style-type: none"> <li>Associate of Arts in Psychology from South Georgia State College</li> </ul>
Florida	<ul style="list-style-type: none"> <li>Associate of Arts in Business Administration from Hillsborough Community College</li> <li>General Education Associate of Arts from Florida State College Jacksonville</li> <li>General Education Associate of Arts from Hillsborough Community College</li> <li>General Education Associate of Arts from St. Petersburg College</li> </ul>
Hawaii	<ul style="list-style-type: none"> <li>Articulated Associates of Arts from University of Hawaii</li> </ul>
Idaho	<ul style="list-style-type: none"> <li>Associate of Science from Idaho State University</li> </ul>
New Mexico	<ul style="list-style-type: none"> <li>Associate of Arts in Sociology from Central New Mexico Community College</li> </ul>
Washington	<ul style="list-style-type: none"> <li>Direct Transfer Agreement (DTA)</li> </ul>

State	Degree & Institution
Wyoming	<ul style="list-style-type: none"> <li>Associate of Arts in American Sign Language from Casper Community College</li> </ul>

Students with an associate degree not listed here may petition the General Education Committee to have their degree reviewed to determine completion of General Education requirements. To initiate the petition process, go online to [wou.edu/gened/petitions](http://wou.edu/gened/petitions).

## Transfer Grades (U-13h)

### Pass/No Credit, Satisfactory/Unsatisfactory, and Emergency Grades

- Audits, withdrawals, remedial, and zero-credit corequisites will not be evaluated for credit.
- Incomplete grades and work in progress will also not be evaluated.
- Failing grades will be articulated and counted as attempted credit.
- Pass/No Pass, and Satisfactory/Unsatisfactory coursework will be evaluated for credit.
- The minimum equivalent letter grade for a S/U class must be C- or higher to be granted credit.
- P/NC and S/U graded classes do not automatically satisfy prerequisites or General Education requirements. Appeals may be made on a case by case basis with the student's major advisor, General Education Committee, or specific course instructors.

### Letter Grades

Letter grades earned at an eligible transfer institution are assigned to the transfer equivalency, with the exception of grades that are not valid at WOU. WOU does not issue A+ grades; a grade of A+ is articulated to a grade of A.

## Transfer Policies Specific to General Education (U-13i)

- Only courses with a letter prefix and numbered 100-level or above may be used to meet General Education requirements, graduation requirements, major or minor requirements. Grading must be on an A-F basis as opposed to pass/no credit or satisfactory/no credit basis (with the exception of PE activity courses).
- Students who have earned an Associate of Arts or Associate of Science in Business Oregon Transfer degree from an Oregon community college will be considered to have met WOU's General Education requirements. The requirements of the Oregon Transfer degree are spelled out in the May 10, 1988 and April 18, 2003, transfer agreements. All students satisfying these requirements will have "Oregon Transfer" marked on their transcripts by the community college awarding the degree.
- Students who have earned the California Intersegmental General Education Transfer Curriculum, California State University Transfer Degree, Hawaii Articulated Associate of Arts degree or Washington Direct Transfer Degree will be considered to have met WOU's General Education requirements.
- The lower-division general education requirements included with the Associate of Arts Oregon Transfer degree are 55 to 63 quarter credit hours. The lower-division

general education requirements included with the Associate of Science in Business Oregon Transfer Degree are 62 to 65 quarter credit hours. These credit hours will be directly applied toward satisfying the General Education requirements. The remaining credit hours included within the degrees will be applied toward the satisfaction of basic graduation requirements, lower-division major, minor or elective requirements as noted in this catalog or in consultation with the appropriate division chair.

- Advanced Placement (AP), College Level Examination Program (CLEP) and International Baccalaureate (IB) exams with sufficiently high scores do satisfy specific General Education requirements. Contact the Office of the Registrar for more information.
- These policies do not preclude case-by-case negotiation with appropriate division chairs, or in the case of General Education requirements, the General Education director. For example, although WOU does not offer journalism courses, a journalism course at another institution might count toward a writing (or other) major if the Humanities Division chair is convinced of sufficient overlap in course content and skill level.
- Students who have completed a baccalaureate degree and are pursuing a second baccalaureate degree from WOU will be considered to have met WOU's General Education requirements.
- Students completing the Oregon Transfer Compass

Core Transfer map will fulfill their Foundations: WR 121, Foundations Mathematics, and Exploring Knowledge requirements for General Education.

- Students transferring in with 30 or more credits of college-level coursework (not including Advanced Placement or International Baccalaureate) will have their First Year Seminar requirement waived.
- A course that is transferred in and articulates as a course in the WOU General Education program will meet the same General Education requirement as that course. Students may petition the

General Education program to allow transfer courses that do not articulate as WOU courses to meet General Education requirements. To submit a petition, go online to [wou.edu/gened/petitions-form](http://wou.edu/gened/petitions-form).

- Students entering WOU who are lacking a single course needed to complete an approved Transfer Degree may petition the General Education committee to complete the transfer degree at WOU by taking an equivalent course or an Integrating Knowledge course. Students with more than one course remaining in a transfer degree are not

eligible to request this exception.

- Students entering WOU who are lacking a single requirement (more than one course) to complete an approved Transfer Degree may petition the General Education committee to complete the transfer degree at WOU by taking an equivalent course and an Integrating Knowledge course or both Integrating Knowledge courses. Students with more than one requirement remaining in a transfer degree are not eligible to request this exception.

## Baccalaureate Requirements

---

### Undergraduate Learning Outcomes

At WOU, all undergraduate students develop core skills that will serve them long after they graduate. Undergraduates prepare for 21st-century challenges by gaining skills in the areas of:

**Written Communication**  
**Quantitative Literacy**  
**Diversity & Global Learning**  
**Inquiry & Analysis**  
**Integrative Learning**

Students develop knowledge, skills and capacities through breadth and depth of a liberal education. Whatever their course of study, undergraduates can expect opportunities to work on at least one of these undergraduate learning outcomes in any WOU course they take and to graduate with competency in all of them.

As all undergraduates take part in the general education program, the alignment of the general education learning outcomes to the undergraduate learning outcomes allows undergraduates to grow in their experience with these skills. Careful contextual alignment of major and minor programs to undergraduate learning outcomes allows students to

further build and enhance their skills as they grow in a discipline.

### General Education Learning Outcomes:

**Intellectual foundations and breadth of exposure:** Put into practice different and varied forms of knowledge, inquiry, and expression that frame academic and applied learning. Aligns to Written Communication and Quantitative Literacy

**Critical thinking:** Demonstrate the ability to evaluate information and develop well-reasoned and evidence-based conclusions. Aligns to Inquiry & Analysis.

**Citizenship:** Articulate the challenges, responsibilities, and privileges of belonging in a complex, diverse, interconnected world. Aligns to Diversity & Global Learning

**Multidisciplinary learning:** Integrate knowledge, perspectives, and strategies across disciplines to answer questions and solve problems. Aligns to Integrative Learning

Students are responsible for reading and understanding information in this catalog. All students should regularly seek academic advice. Transfer

students, in particular, should consult with an adviser in the Student Success and Advising Center before enrolling in WOU courses.

### Degrees

The Baccalaureate Degrees at WOU have all been arranged by the academic programs to appropriately communicate the educational emphasis of the major. Each program has identified the appropriate requirements to both meet this emphasis and provide the requisite knowledge and skills associated with the course of study.

### Bachelor of Applied Science (B.A.S.)

B.A.S. degrees serve the needs of individuals with a terminal or non-transfer associate's degree who wish to pursue a bachelor's degree to advance in their careers, change careers or who may seek to pursue graduate education.

B.A.S. degrees are presently offered in computer science, criminal justice, early childhood studies (non-licensure), economics, gerontology: aging and older adulthood, information systems, liberal studies, professional studies in the deaf community.

See the B.A.S. General Education requirement information.

## Eligibility for the B.A.S. Baccalaureate Degree Program

The B.A.S. degree is not open to traditional students currently enrolled at WOU (e.g., students who started college at WOU or came to WOU with a transfer degree such as the AAOT). B.A.S. students must meet the following criteria: have completed an A.A.S. degree (or other terminal/non-transfer associate degree) or have completed a minimum of 60 quarter credits toward an A.A.S. degree (or other terminal/non-transfer associate degree).

Students who have pursued and/or completed an Oregon Transfer Module (OTM), Associate of Arts Oregon Transfer (AAOT) degree, Associate of Science Oregon Transfer Business degree, Associate of Science degree or Associate of Science Oregon Transfer (ASOT) are not eligible for admission into the B.A.S. track. They will be admitted into our traditional B.A., B.S., B.F.A. and B.M. degrees.

## Academic Advising

Placement of transfer credit units into the B.A.S. curriculum will be determined in consultation with the academic adviser for the specific B.A.S. program.

## Baccalaureate Degrees (B.A., B.F.A., B.M., and B.S.)

### Bachelor of Arts

A B.A. program is one where the emphasis is on educational breadth. Programs with Bachelor of Arts requirements provide students with an education that is organized around a relevant field, but covers a broad range of content, subfields, theories, tools and/or methods.

### Bachelor of Science

A B.S. program is one where the emphasis is on educational specialization. Programs with Bachelor of Science requirements provide students with a more academically or professionally focused education, that covers a targeted range of content, subfields, theories, tools and/or methods. B.S. requirements are often tailored to a specific set of preparations or professional accrediting standards.

### Bachelor of Fine Arts

A B.F.A. program is one where the emphasis is on the specific practice and skills needed to prepare for a professional career in the visual and performing arts. Programs with Bachelor of Fine Arts requirements feature a significant component of studio time as an element of study.

### Bachelor of Music

A B.M. program is one where the emphasis is on the specific practice and skills needed to prepare for a professional music career. Programs with Bachelor of Music requirements include a course of study that builds toward proficiency in an applied music field.

## Concentration and Focus

A *concentration* is an optional or required set of courses within a major that constitutes a sub-specialty within the discipline. In practice, sub-specialties have a minimum of 12 credits. A concentration is noted on your transcript when your degree is awarded.

A *focus* is an optional or required set of courses within a major that constitutes a sub-specialty within the discipline. A focus is not noted on your transcript when your degree is awarded.

## Certificates & Minors

Certificates enable students to learn specific skills or knowledge, and are

often career-focused in intent. Students should consult with their academic adviser about effective pathways toward realizing the educational opportunities and degree they desire.

Certificates may allow students to do any or all of the following:

- Prepare for a career
- Gain specialized skills and knowledge in a specific area related to employment or professional development
- Present potential or current employers with proof of specific skills and knowledge on their WOU transcript

## Minor

The minor is an *option*, unless required as part of a specific degree program, that students are advised to consider. Often, the minor enables students to augment their primary program of study with a coordinated ancillary program that helps prepare them for postgraduate studies or specific career goals. Students may also choose to take free elective courses that meet their academic interests or career preparation goals. *Students should consult with their academic adviser about effective pathways toward realizing the educational opportunities and degree they desire.*

The optional minor and designated elective credits effectively support students' efforts to:

- minimize "lost" transfer credits by using more credits from previous college credit-bearing learning experiences
- pursue a minor, double major, or other elective coursework
- complete an internship, practicum, or study abroad experience if not already required by the chosen major
- improve language proficiency or learn an additional language

\*Note: Courses that satisfy major requirements may not be used to satisfy minor requirements.



## University Graduation Requirements

An undergraduate degree consists of 180 credits distributed among three general areas: up to 90 credits for the major program of study (inclusive of all coursework required\* by the major) and 90 credits for general education curriculum and free electives (approximately 60 general education requirement credits; with the remainder, approximately 30 credits, reserved for electives).

\*Note: completion of some optional pre-professional pathways and additional learning experiences may require students to exceed the 180-credit threshold for the

baccalaureate degree. Some degree programs may, to meet state or national accreditation requirements, require more than 180 credits.

### All undergraduates must satisfy these university requirements:

1. Complete a minimum of 180 credits, including at least 60 upper division credits
2. Complete either at least 150 credits OR at least 45 of the last 75 credits in Western Oregon University courses\*
3. Maintain a minimum 2.0 cumulative grade-point

average (GPA) for all work completed at WOU

4. Students are limited to 16 credit hours for each open-ended course set: (199,399) (403) (406,408) (407) (409)
5. Complete a major including at least 36 upper division credits
6. Complete the general education requirements appropriate for the degree pursued

\*Note: For programs that require instruction at another regionally accredited college or university, please consult the academic program entry in the catalog for details regarding the appropriate alternate path to completing the academic residency requirement.

## General Education Requirements

### B.A.S. in Liberal Studies Core

#### Multi-disciplinary meta-cognition and integration; goal setting and planning; reflecting Credits: 6

- LS 300 Seminar on Multidisciplinary Learning Credits: 2
- LS 499 Capstone Credits: 4

#### Foundational Skills Credits: 12

- WR 121Z Composition I Credits: 4
- WR 122Z Composition II Credits: 4

Choose One:

- MTH 105Z Math in Society Credits: 4
- MTH 110 Applied College Mathematics Credits: 4
- MTH 111Z Precalculus I: Functions Credits: 4

#### Breadth - Approaches to Knowledge Credits: 57-60

- Scientific Approaches (15-16 credits)
- Humanistic Approaches (15-16 credits)
- Creative Approaches (12 credits)
- Applied Approaches (15-16 upper division credits)

#### Electives Credits: 12-15

#### Total Credits: 90\*

*\*No more than 30 lower division credits and at least 60 upper division credits*

### B.A.S. Core

#### Foundational Skills Credits: 24-30

- Mathematics (up to two classes, 4-8 credits)
- WR 121Z Composition I Credits: 4

- WR 122Z Composition II Credits: 4 \*
- Communication and Language (one class, 3-4 credits)
- Critical Thinking (one class, 3-4 credits)
- Health Promotion (one class, 4 credits)
- LS 300 Seminar on Multidisciplinary Learning Credits: 2

#### Exploring Knowledge Credits: 20-26

- Literary and Aesthetic Perspectives (two classes, 3-4 credits)
- Scientific Perspectives (two classes, 4-5 credits)
- Social, Historic, and Civic Perspectives (two classes, 3-4 credits)

#### Integrating Knowledge

Choose One:

Option I (6-8 credits):

- Citizenship, Social Responsibility, and Global Awareness
- and Science, Technology & Society

Option II (4 credits):

- Complete an internship or practicum in the major that aligns with the Multidisciplinary Learning outcome in General Education

Option III (4 credits):

- LS 499 Capstone Credits: 4

## Total Credits: 48-64

*Note: All courses should be chosen from the Approved General Education Courses unless otherwise specified.*

*Note: \* Technical and Workplace Writing can be substituted for WR 122, consult your adviser.*

## B.A., B.F.A., and B.S. Core

### Foundational Skills Credits: 10-28

- Mathematics\* (up to 2 classes, 0-8 credits)
- Writing\* (up to 2 classes, 0-8 credits)
- Communication and Language (one class, 3-4 credits)
- Critical Thinking (one class, 3-4 credits)
- Health Promotion (one class, 3-4 credits)

### First Year Seminars Credits: 8

- FYS 107 First Year Seminar: Writing Focused Credits: 4

- FYS 207 First Year Seminar: Quantitative Focused Credits: 4

### Exploring Knowledge Credits: 20-26

- Literary and Aesthetic Perspectives (two classes, 6-8 credits)
- Scientific Perspectives (two classes, 8-10 credits)
- Social, Historic, and Civic Perspectives (two classes, 6-8 credits)

### Integrating Knowledge Credits: 6-8

- Citizenship, Social Responsibility, and Global Awareness (one class, 3-4 credits)
- Science, Technology, and Society (one class, 3-4 credits)

## Total Credits: 44-70

*Note: For eligible courses in each area, please refer to the Approved General Education Courses section of the catalog.*

*Any 3-4 credit course completed by a student as part of a Study Abroad Experience that does not articulate as a previously identified course in any other WOU General Education requirement be used in fulfillment of the Integrating Knowledge: Citizenship, Social Responsibility, and Global Awareness requirement.*

*\*Students may show competency through test scores or challenge exams (if eligible).*

## B.M. Core

### First Year Seminar Credits: 8

- FYS 107 First Year Seminar: Writing Focused Credits: 4

- FYS 207 First Year Seminar: Quantitative Focused Credits: 4

## Music Credits: 3

- MUS 160 Digital Music Notation Credits: 1

### Foundational Skills Credits: 4-12

- WR 121Z Composition I Credits: 4 (or demonstrated competency\*)
- WR 122Z Composition II Credits: 4
- Critical Thinking or Mathematics\*

### Exploring Knowledge Credits: 17-20

- Literary and Aesthetic Perspectives (one class, 3-4 credits)
- Scientific Perspectives (two classes, 8-10 credits)
- Social, Historic and Civic Perspectives (two classes, 6-8 credits)

### Integrating Knowledge Credits: 3-4

- Citizenship, Social Responsibility, Global Awareness or Science, Technology, & Society

## Total Credits: 35-47

*Note: For eligible courses in each area, please refer to the Approved General Education Courses section of the catalog.*

*\*Students may show competency through test scores or challenge exams (if eligible).*

## Honors Candidates:

WOU's Honors Program offers an alternative general education to students who have demonstrated outstanding ability, motivation and academic achievement. Upon completion of the honors curriculum, honors students are ideally prepared to excel in their academic major and minor courses. Honors Program courses are open only to students enrolled in the WOU Honors Program. Students interested in exploring the challenge of the Honors Program should contact the Honors Director as soon as they begin to consider this opportunity. Although acceptance usually occurs before a student attends WOU, it is possible to be admitted before the start of one's second year. Where appropriate and approved by the Honors Program director, AP, IB and transfer credits will count towards satisfying honors requirements.

## Honors Core

### One course each from these categories:

- HNR 100 Honors Health/Wellness Credits: **3-4**
- HNR 105 Honors History Credits: **3-4**
- HNR 120 Honors Ethics Credits: **3-4**
- HNR 136 Honors Rhetoric Credits: **3-4**

### Three courses in Honors Literature & the Arts:

- HNR 153 Honors Literature Credits: **3-4**
- HNR 171 Honors Theater Credits: **3-4**
- HNR 190 Honors Creative Arts Credits: **3-4**

### One course from each of these pairs in Honors Science & Math

- HNR 210 Honors Biology Credits: **4-5**
- **or** HNR 231 Honors Earth Science Credits: **4-5**
- HNR 253 Honors Computer Science Credits: **3-4**
- **or** HNR 276 Honors Mathematics Credits: **3-4**

### In addition to the Honors Core courses, honors students complete elective requirements in the following categories:

Exploratory Honors (4 courses required in 3 different subjects)

- HNR 300 Exploratory Honors Credits: **3-4**

Honors Thesis/Senior Project

- HNR 325 Honors Thesis Orientation Credits: **2**
- HNR 351 Honors Thesis Development Credits: **2**
- HNR 378 Honors Thesis/Senior Project Credits: **1-6\***

*\*Note: HNR 378 may be taken/repeated up to 6 credits*

Honors Colloquia (2 courses required)

- HNR 406 Honors Colloquium Credits: **3-4**

**Total Credits: 51-66**

Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Approved General Education Courses

### First Year Seminars Credits: 8

Explore interesting topics in small classes while building foundational skills for college success.

Writing-focused Seminar - 1 class, Credits: 4

- FYS 107 First Year Seminar: Writing Focused **Credits: 4**

Quantitative-focused Seminar - 1 class, Credits: 4

- FYS 207 First Year Seminar: Quantitative Focused **Credits: 4**

### Foundational Skills Credits: 10-28

Practice lifelong learning skills applicable throughout your college career.

Mathematics - up to 2 classes, Credits: 0-8

Learn and practice problem solving, modeling, and quantitative reasoning and the communication of mathematical and logical arguments and concepts.

- MTH 105Z Math in Society **Credits: 4**
- MTH 110 Applied College Mathematics **Credits: 4**
- MTH 111Z Precalculus I: Functions **Credits: 4**
- MTH 112Z Precalculus II: Trigonometry **Credits: 4**
- MTH 211 Foundations of Elementary Mathematics I **Credits: 4**
- and MTH 212 Foundations of Elementary Mathematics II **Credits: 4**
- MTH 231 Elements of Discrete Mathematics I **Credits: 4**
- MTH 251 Calculus I **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

## Writing - up to 2 classes, Credits: 0-8

Gain an introduction to processes, strategies, and conventions that promote the effective development and communication of ideas in writing. C- or better is required.

- WR 121Z Composition I **Credits: 4**
- WR 122Z Composition II **Credits: 4**

## Communication and Language - 1 class, Credits: 3-4

Create, deliver, analyze, and receive meaningful messages.

- A 100 Art Topics: Various **Credits: 2**
- A 115 Beginning Design: Two-dimensional **Credits: 4**
- A 120 Beginning Digital Art & Design **Credits: 4**

- ASL 101 American Sign Language I **Credits: 3-4**

- ASL 102 American Sign Language II **Credits: 3-4**

- ASL 103 American Sign Language III **Credits: 3-4**

- ASL 201 American Sign Language IV **Credits: 4**

- ASL 202 American Sign Language V **Credits: 4**

- ASL 203 American Sign Language VI **Credits: 4**

- COM 100Z Introduction to Communication **Credits: 4**

- COM 111Z Public Speaking **Credits: 4**

- COM 211 Introduction to Mass Communication **Credits: 4**

- COM 212 Advertising and Society **Credits: 4**

- COM 218Z Interpersonal Communication **Credits: 4**

- COM 236 Contemporary Issues in Media **Credits: 4**

- D 260 Dance Improvisation **Credits: 3**

- FR 101 First Year French I **Credits: 4**

- FR 102 First Year French II **Credits: 4**

- FR 103 First Year French III **Credits: 4**

- FR 201 Second Year French I **Credits: 4**

- FR 202 Second Year French II **Credits: 4**

- FR 203 Second Year French III **Credits: 4**

- FR 301 Intermediate French Composition and Phonetics I **Credits: 4**

- GL 101 First Year German **Credits: 4**

- GL 102 First Year German **Credits: 4**

- GL 201 Second Year German **Credits: 4**

- GL 202 Second Year German **Credits: 4**

- GL 203 Second Year German **Credits: 4**

- GL 301 Third Year German **Credits: 4**

- LING 101 Language: Misconceptions vs. Reality **Credits: 4**

- LING 102 Language and Power **Credits: 4**

- LING 103 English in a Global Context **Credits: 4**

- SPAN 101 First Year Spanish I **Credits: 4**

- SPAN 102 First Year Spanish II **Credits: 4**

- SPAN 103 First Year Spanish III **Credits: 4**

- SPAN 201 Second Year Spanish I **Credits: 4**

- SPAN 202 Second Year Spanish II **Credits: 4**

- SPAN 203 Second Year Spanish III **Credits: 4**

- SPAN 301 Third Year Spanish I **Credits: 4**

- SPAN 302 Third Year Spanish II **Credits: 4**

- SPAN 311 Spanish for Bilingual Teachers I **Credits: 4**

- SPAN 312 Spanish for Bilingual Teachers II **Credits: 4**

- SPAN 317 Intermediate Spanish for Bilingual/Heritage Speakers I **Credits: 4**

- SPAN 318 Intermediate Spanish for Bilingual/Heritage Speakers II **Credits: 4**

## Note:

*A 100 must be taken for two terms and 4 credits to fulfill one course in Communication and Language.*

## Critical Thinking - 1 class, Credits: 3-4

Effectively analyze, evaluate, synthesize, and apply information and

ideas from diverse sources and disciplines

- COM 310 Communicating with Data **Credits: 4**
- CS 122 Introduction to Computer Science for Non-Majors **Credits: 4**
- CS 160 Survey of Computer Science **Credits: 4**
- DATA 101 Foundations of Data Analytics **Credits: 4**
- EC 200 Introduction to Economic Perspectives **Credits: 4**
- ED 343 Purposes of Play in Learning **Credits: 3**
- ES 105 Discoveries in Earth Science **Credits: 4**
- HE 343 Introduction to Health Data Analysis and Visualization **Credits: 4**
- HST 110 Detecting the Past: Critical Thinking with Historical Sources **Credits: 4**
- LING 209 Introduction to Language Study **Credits: 4**
- LING 214 Linguistics and Education **Credits: 4**
- LING 310 Introduction to Linguistics **Credits: 4**
- LIT 110 Critical Themes in Literature **Credits: 4**
- MUS 201 History of Western Classical Music: Antiquity to Baroque **Credits: 3**
- MUS 202 History of Western Classical Music: Enlightenment to Romantic **Credits: 3**
- MUS 203 History of Western Classical Music: 20th Century to Present **Credits: 3**
- PHL 100 Critical Thinking: Informal Logic **Credits: 4**
- PHL 103 Introduction to Logic **Credits: 4**
- PHL 314 Modern European Philosophy **Credits: 4**
- PHL 363 Philosophy of Mind **Credits: 4**
- PS 193 Introduction to Model United Nations **Credits: 4**

- SOC 301 Introduction to Social Work **Credits: 4**

- SOC 324 Introduction to Sociology: Research **Credits: 4**
- SUST 221 Data Analysis **Credits: 4**
- WR 227Z Technical Writing **Credits: 4**
- WR 398 Credit for Prior Learning Portfolio Development Workshop **Credits: 4**

## Health Promotion - 1 class, Credits: 4

Apply strategies for maintaining and improving health across the lifespan.

- A 210 Art For Health **Credits: 4**
- BI 224 Health and Human Evolution **Credits: 4**
- CH 247 Foundations of Integrative Medicine **Credits: 4**
- COM 351 Foundations of Health Communication **Credits: 4**
- GERO 200 The Aging Self: Your Pathway Through Adulthood **Credits: 4**
- HE 257 Health Promotion **Credits: 4**

## Exploring Knowledge Credits: 20-26

Discover new content and ideas through exploration of a wide variety of scholarly topics. Begin your major while also gaining knowledge beyond it.

## Literary and Aesthetic Perspectives - 2 classes, Credits: 6-8

Study and participate in creative work to foster a deeper comprehension of human culture and the ways in which it affects who we are, both as communities and individuals.

- A 116 Beginning Design: Three-dimensional **Credits: 4**

- A 130 Beginning Drawing **Credits: 4**

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**
- D 101 Beginning Ballet **Credits: 3**
- D 102 Beginning Jazz Dance **Credits: 3**
- D 103 Beginning Modern Dance **Credits: 3**
- D 104 Beginning Tap Dance **Credits: 3**
- D 255 Introduction To Dance **Credits: 3**
- ED 224 Creative Arts in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 230 Children's Literature in Diverse Classrooms **Credits: 3**
- ED 235 Literature for the Young Child **Credits: 3**
- ED 240 Young Adult Literature in Diverse Classrooms **Credits: 3**
- FR 110 Introduction to French Literature in Translation **Credits: 4**
- GL 110 Introduction to German Literature in Translation **Credits: 4**
- LIT 101 Topics in Literature **Credits: 4**
- LIT 102 Literary Genres **Credits: 4**
- LIT 201 Western Literature I **Credits: 4**
- LIT 202 Western Literature II **Credits: 4**
- MUEN 101 Concert Choir **Credits: 1**
- MUEN 102 Chamber Singers **Credits: 1**
- MUEN 103 University Band **Credits: 1**
- MUEN 111 Western Oregon Symphony **Credits: 1**
- MUEN 112 Wind Ensemble **Credits: 1**

- MUEN 113 Early Music Ensemble **Credits: 1**
- MUEN 115 Mariachi Ensemble **Credits: 1**
- MUEN 120 Chamber Ensemble **Credits: 1**
- MUEN 121 Brass Chamber Ensemble **Credits: 1**
- MUEN 122 Salem Pops Orchestra **Credits: 1**
- MUEN 141 Percussion Ensemble **Credits: 1**
- MUEN 143 Guitar Ensemble **Credits: 1**
- MUEN 151 Opera Scenes: Vocal **Credits: 1-3**
- MUEN 152 Opera Scenes: Instrumental **Credits: 1-3**
- MUEN 161 Western Oregon Voices **Credits: 1**
- MUEN 162 Jazz Orchestra **Credits: 1**
- MUEN 163 Latin Jazz **Credits: 1**
- MUEN 170 Combo **Credits: 1**
- MUEN 171 Jazz Repertoire Combo **Credits: 1**
- MUEN 172 Hemisphere Combo **Credits: 1**
- MUEN 201 WOU Drum Line **Credits: 1**
- MUEN 202 WOU Pep Band **Credits: 1**
- MUS 101 Pop Music in America **Credits: 3**
- MUS 102 Rock Music: A Social History **Credits: 3**
- MUS 103 Jazz History **Credits: 3**
- MUS 104 Music in Film **Credits: 3**
- MUS 107 Introduction to Music and its Literature **Credits: 3**
- MUS 181 Voice Class I **Credits: 3**
- PHL 282 Philosophy of Art **Credits: 4**
- PHL 321 Existentialism **Credits: 4**
- SPAN 110 Introduction to Hispanic Literature in Translation **Credits: 4**

- SPAN 210 Topics in Hispanic Film **Credits: 4**
- SPAN 240 Greater Mexico: Culture and Arts **Credits: 4**
- TA 110 Introduction to the Theatre Arts **Credits: 3**
- TA 112 Introduction to Film **Credits: 3**
- TA 251 Elements of Acting **Credits: 3**
- TA 252 Technical Theatre: Makeup **Credits: 3**
- TA 260 Basic Movement and Voice Development **Credits: 3**
- TA 343 Costume Design **Credits: 4**
- WR 260 Creative Writing Fiction **Credits: 4**
- WR 301 Integrating Writing and Design **Credits: 4**

### Note:

MUEN courses can be taken in multiple terms for 3 credits for a single course in Exploring Knowledge: Literary and Aesthetic Perspectives.

### Scientific Perspectives - 2 classes, Credits: 8-10

Engage in systematic study of the natural world, and gain knowledge about the nature of science, the attitudes of science, and the skills needed for scientific inquiry.

- ANTH 322 Forensic Anthropology **Credits: 4**
- or CJ 322 Forensic Anthropology **Credits: 4**
- BI 101 General Biology: The Diversity of Life **Credits: 4**
- BI 102 General Biology: The Foundations of Life **Credits: 4**
- BI 131 Field Ecology **Credits: 4**
- BI 134 Introductory Human Anatomy and Physiology **Credits: 4**
- BI 135 Introductory Human Anatomy and Physiology **Credits: 4**

- BI 143 Marine Biology **Credits: 4**
- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**
- BI 213 Principles of Biology: Structure and Function **Credits: 4**
- CH 103 Allied Health Chemistry **Credits: 5**
- CH 104 Chemistry and the Environment **Credits: 4**
- CH 105 Consumer Chemistry **Credits: 4**
- CH 106 Scientific Advances in Medicine **Credits: 4**
- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**
- ES 104 Exploring the Physical Earth **Credits: 4**
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4**
- ES 201 Principles of Geology **Credits: 4**
- ES 202 Principles of Geology **Credits: 4**
- ES 203 Principles of Geology **Credits: 4**
- GEOG 240 Map & Air Photo Interpretation **Credits: 4**
- IS 311 Introduction to Cybernetics **Credits: 4**
- PH 201 General Physics **Credits: 4**
- PH 202 General Physics **Credits: 4**
- PH 203 General Physics **Credits: 4**
- PH 211 General Physics with Calculus **Credits: 4**
- PH 212 General Physics with Calculus **Credits: 4**
- PH 213 General Physics with Calculus **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**

- SUST 321 Field Geography  
**Credits: 4**

## Social, Historic, and Civic Perspectives - 2 classes, Credits: 6-8

Explore different approaches to the study of society and politics, including the contemporary and historical constitution of social and political ideas, relationships, structures and institutions.

- ANTH 213 Language and Culture  
**Credits: 4**
- ANTH 214 Physical Anthropology  
**Credits: 4**
- ANTH 215 Archaeology **Credits: 4**
- ANTH 216 Cultural Anthropology  
**Credits: 4**
- ASL 205 Introduction to ASL Studies **Credits: 3**
- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 219 Ethics and Leadership in Criminal Justice **Credits: 4**
- CJ 220 Introduction to Homeland Security **Credits: 4**
- COM 260 Sport & Social Movements **Credits: 4**
- CS 312 Social History of Computing  
**Credits: 4**
- D 252 Latin Dances Around The World **Credits: 3**
- D 253 Dances That Changed the World **Credits: 3**
- D 254 Dance, Gender and Society  
**Credits: 3**
- EC 201 Introduction to Microeconomics **Credits: 4**
- EC 202 Introduction to Macroeconomics **Credits: 4**
- ED 200 Foundations of Education  
**Credits: 3**
- ED 220 Introduction to Early Childhood Education **Credits: 3**
- ED 231 Typical & Atypical Development **Credits: 3**

- ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade)  
**Credits: 3**
- ETH 201 Introduction to Ethnic Studies **Credits: 4**
- ETH 202 Introduction to Cultural Studies **Credits: 4**
- GERO 320 Introduction to Aging  
**Credits: 4**
- HST 104 World History: The Ancient and Classical World **Credits: 4**
- HST 105 World History: Expanding Societies **Credits: 4**
- HST 106 World History: The Modern World **Credits: 4**
- HST 201 History of the United States: Native American Cultures to Early 19th Century **Credits: 4**
- HST 202 History of the United States: Reform and Progress **Credits: 4**
- HST 203 History of the United States: First World War to the Present  
**Credits: 4**
- LIT 103 Literature and Society  
**Credits: 4**
- MUS 267 Music in America: 1800-1945 **Credits: 3**
- MUS 268 Music in America: 1945-1967 **Credits: 3**
- MUS 269 Music in America: 1967-Present **Credits: 3**
- PHL 101 Introduction to Philosophy: Knowledge and Reality **Credits: 4**
- PHL 102 Introduction to Philosophy: Personal Morality and Social Justice  
**Credits: 4**
- PHL 251 Ethics **Credits: 4**
- PHL 283 Philosophy of Religion  
**Credits: 4**
- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 203 International Relations  
**Credits: 4**
- PS 204 Governments of the World  
**Credits: 4**

- PSY 201 General Psychology  
**Credits: 4**
- PSY 202 General Psychology  
**Credits: 4**
- R 201 Introduction to the World's Religions: Eastern **Credits: 4**
- R 202 Introduction to World Religions **Credits: 4**
- R 204 Introduction to the World's Religions: Western **Credits: 4**
- SOC 204 Introduction to Sociology  
**Credits: 4**
- SOC 223 Introduction to Sociology: Theory **Credits: 4**
- SOC 225 Social Problems **Credits: 4**
- SPAN 245 Translanguaging: Spanglish as a Speech Community in US **Credits: 4**
- SUST 101 Sustainable World  
**Credits: 4**
- WR 300 Writing in the Workplace  
**Credits: 4**

## Integrating Knowledge Credits: 6-8

Use high impact practices and make connections between different areas of interest for deeper comprehension. Prepare for a dynamic, complex and interconnected world.

## Citizenship, Social Responsibility, and Global Awareness - 1 class, Credits: 3-4

Examine the intersection of citizenship with other forms of identity, explore the moral and life obligations inherent to being human, and the degree to which we have an obligation to benefit the whole of society and the world.

- A 311 Creativity and Idea Generation **Credits: 4**
- ANTH 370 Women Hold Up Half the Sky **Credits: 4**



- ANTH 372 Social Constructions of Race **Credits: 4**
- or CJ 372 Social Constructions of Race **Credits: 4**
- ANTH 376 Cultures of South Asia **Credits: 4**
- ANTH 380 Africa **Credits: 4**
- ANTH 386 Anthropology of Muslim Societies **Credits: 4**
- ANTH 388 Transnational Migration **Credits: 4**
- ANTH 392 Applied Anthropology **Credits: 4**
- ANTH 396 Environmental Anthropology **Credits: 4**
- BA 362 Business Ethics **Credits: 3**
- CA 320 Documenting Society **Credits: 4**
- CH 361 Energy, Resources and the Environment **Credits: 3**
- CJ 267 Social Research Writing **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**
- CJ 445 Race and Justice **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**
- COM 402 Rhetoric, Race, Resistance **Credits: 4**
- COM 416 Communication and Politics **Credits: 4**
- D 170 World Dance: Salsa **Credits: 3**
- D 171 World Dance: Hula **Credits: 3**
- D 172 World Dance: African **Credits: 3**
- D 177 Beginning Hip-Hop **Credits: 3**
- D 251 Dance and World Cultures **Credits: 3**
- ED 420 Global Perspectives in Early Childhood Education **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**
- EXS 410 Sport Ethics **Credits: 4**
- GERO 340 Intersectionality: Inequalities and Vulnerabilities in Older Adulthood **Credits: 4**
- GERO 420 Global Aging **Credits: 4**
- HE 334 Health Disparities and Social Determinants of Health **Credits: 4**
- HE 366 Alcohol, Tobacco and Other Drugs **Credits: 4**
- HE 367 Human Sexuality **Credits: 4**
- HE 420 Healthy Relationships **Credits: 4**
- HE 465 Global Health **Credits: 4**
- HST 404 Gender Issues in History, I **Credits: 4**
- HST 405 Gender Issues in History, II **Credits: 4**
- HST 412 Yugoslavia: From Experiment to Collapse **Credits: 4**
- HST 414 British History to 1300 **Credits: 4**
- HST 423 Germany 1914 to 1945 **Credits: 4**
- HST 426 Modern France: 19th Century **Credits: 4**
- HST 434 Mediterranean Worlds **Credits: 4**
- HST 436 History of Modern Paris **Credits: 4**
- HST 437 World War II in Film **Credits: 4**
- HST 442 America and the Middle East **Credits: 4**
- HST 444 Colonial North Africa **Credits: 4**
- HST 447 The Early Middle Ages **Credits: 4**
- HST 448 The High Middle Ages **Credits: 4**
- HST 449 The Late Middle Ages **Credits: 4**
- HST 450 Crime and Society in Latin America **Credits: 4**
- HST 453 Pre-Columbian and Colonial Latin America **Credits: 4**
- HST 454 History of the Caribbean **Credits: 4**
- HST 455 Modern Latin America **Credits: 4**
- HST 459 Medieval Saints & Sinners: The History of the Medieval Church **Credits: 4**
- HST 481 American Voices: Autobiography, Biography and Memoir in American History **Credits: 4**
- HST 485 Race and Ethnicity in Latin America **Credits: 4**
- HST 493 Women in Oregon History **Credits: 4**
- HST 495 Arab World in Transition **Credits: 4**
- HST 497 History of Fascism **Credits: 4**
- LIT 380 The Bible as Literature **Credits: 4**
- LIT 381 African Literature **Credits: 4**
- LIT 387 Mythology: Subtitle based on content **Credits: 4**
- MUS 204 Ethnomusicology **Credits: 3**
- PHL 322 19th-Century Philosophy **Credits: 4**
- PHL 350 Social and Political Philosophy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 414 Political Parties, Pressure Groups and Elections **Credits: 4**
- PS 425 Native American Politics and Policy **Credits: 4**
- PS 432 Global Health Policy **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 441 Causes of Peace **Credits: 4**
- PS 442 Peacebuilding and Public Policy **Credits: 4**
- PS 443 Great Peacemakers **Credits: 4**
- PS 478 Political Fiction and Film **Credits: 4**

- PS 492 Political Ideologies **Credits: 4**

- PSY 310 Building Resilience in Children **Credits: 4**

- SOC 305 Social Problems, Social Justice, Social Policy **Credits: 4**

- SUST 314 Mutual Aid **Credits: 4**

- SUST 330 Sustainability and Social Justice **Credits: 4**

- SUST 380 Environmental Conservation **Credits: 4**

- WR 304 Grant and Proposal Writing **Credits: 4**

- WR 412 Writing Center Internship **Credits: 1-6**

## Science, Technology, and Society - 1 class, Credits: 3-4

Examine the myriad interrelationships and mutual influences between science and technology and society, culture, and/or politics.

- A 483 Digital Illustration **Credits: 4**

- ANTH 369 Evolution of Ethnographic Film **Credits: 4**

- ANTH 395 Medical Anthropology **Credits: 4**

- ANTH 494 Northwest Native Nations **Credits: 4**

- BI 302 Evolution and Infectious Disease **Credits: 4**

- BI 370 Humans and the Environment **Credits: 4**

- BI 441 Human Heredity **Credits: 4**

- CH 345 Introduction to Toxicology **Credits: 3**

- CJ 311 Community-Oriented Crime Prevention **Credits: 4**

- COM 380 Environmental Communication **Credits: 4**

- COM 430 Social Media and Culture **Credits: 4**

- COM 451 Science Communication **Credits: 4**

- CS 340 Computer Ethics **Credits: 4**

- CS 422 Demystifying Computer Science: No Experience Required **Credits: 4**

- CSE 469 "Hey u up?": Tech, Culture, and (Maybe) Love **Credits: 3**

- ED 466 Technology in Inclusive Early Childhood Environments **Credits: 3**

- ES 324 Living With Earthquakes and Volcanoes **Credits: 4**

- ES 340 Geospatial Techniques **Credits: 4**

- ES 360 Earth Resources and the Environment **Credits: 4**

- ES 420 Medical Geology **Credits: 4**

- GS 325 Learning Science Through Scientific Practices **Credits: 3**

- HE 341 Environmental Health **Credits: 4**

- HST 446 Pandemics and Crises in Latin America **Credits: 4**

- HST 460 The Black Death **Credits: 4**

- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**

- HST 496 Empire and Environment **Credits: 4**

- LIT 382 Cultural Trauma and Memory **Credits: 4**

- LIT 386 Form and Meaning in Film **Credits: 4**

- PHL 252 Medical Ethics **Credits: 4**

- PHL 255 Environmental Ethics **Credits: 4**

- PS 445 Introduction to Policy Analysis **Credits: 4**

- PS 447 Environmental Politics and Policy **Credits: 4**

- SUST 316 Urban Sustainability **Credits: 4**

- SUST 331 Environmental Justice **Credits: 4**

- SUST 340 Sustainability & Capitalism **Credits: 4**

- SUST 385 Nature in the American West **Credits: 4**

- SUST 389 Land Systems and Sustainability **Credits: 4**

- SUST 390 Global Climate Change **Credits: 4**

- SUST 391 Biogeography **Credits: 4**

- WR 401 Writing Across Media **Credits: 4**

# Graduate Degree Requirements

---

## Master's Degree Programs

### GENERAL REQUIREMENTS

1. A minimum of 45 credits
2. 50 percent or higher of graduate courses in the 600 level.
3. No more than 9 credits of blanket-numbered courses, other than thesis, may be applied to the minimum of 45-credit master's degree.
4. Completion of 2/3 at Western Oregon University.
5. A final exit form is required.

### Graduate Major

A graduate major is the area of academic specialization in which the student chooses to qualify for a graduate degree. Upon completion of a master's degree, the degree awarded and the graduate major are listed on the student's transcript. Find a list of descriptions of graduate program offerings in the catalog.

### Graduate Area of Focus

A graduate area of focus is a subdivision of a major in which a strong graduate program is available.

Areas of focus are not listed on a student's transcript.

## Doctoral Degrees

### GENERAL REQUIREMENTS

Usually requires three years or more of graduate-level coursework level requiring an original research thesis or project. Professional doctoral degrees with an emphasis on the application of knowledge in the field normally require three or more years of carefully prescribed graduate-level coursework.

1. A minimum of 81 credits
2. 50 percent or higher of graduate courses in the 700 level.
3. Completion of 2/3 at Western Oregon University.
4. A final exit form is required.

## Graduate Certificate Requirements

### GENERAL REQUIREMENTS

The Graduate Certificate Program at Western Oregon University is a structured progression of graduate-level courses that constitute a

coherent body of study with a defined focus within a single discipline or a logical combination of disciplines. It is designed for a student who has completed a baccalaureate degree and is in pursuit of advanced-level learning. Graduate certificates reflect the educational mission of the university. Students desiring a graduate certificate must be admitted to the university as a credential-seeking graduate student. There is no formal committee requirement for graduate certificates. Certificate students are subject to all general policies governing the courses for the master's degree, unless specified within the Graduate Catalog.

## GRADUATE CERTIFICATE STUDY PROGRAM

The graduate certificate curriculum consists of a minimum of 12 graduate credits. No final examination or exit project is required.

## FINANCIAL AID ELIGIBILITY

Students enrolled in graduate certificate programs with 27 or more credits may qualify for federal loans and work-study financial aid. Students must complete the federal FAFSA form to begin the financial aid application process.

## What's New

### New Academic Programs

---

#### Undergraduate Programs:

- Ethnic Studies Minor
- Healthcare Administration Certificate
- Information Technology Certificate

#### Graduate Programs:

- Healthcare Administration Certificate

# College of Education

---

Dean Mark Girod  
wou.edu/education/

The mission of the College of Education (COE) is to prepare skilled professionals in the fields of education, rehabilitation counseling, mental health counseling, interpreting studies, American Sign Language studies, health promotion, exercise science, and human performance. Our graduates are academically strong, ready to contribute to the continuously evolving state of their chosen professions and prepared for a variety of diverse and complex roles in schools, service organizations and businesses.

The College of Education includes the Division of Deaf Studies and Professional Studies, the Division of Health and Exercise Science, the Division of Education and Leadership, the Office of Clinical Practices and Licensure, and the Office of Assessment and Accreditation.

All academic programs in the College of Education are aligned to external professional standards, and all programs require practica or internship experiences where our students apply what they have learned to the real world. The Rehabilitation and Mental Health Counseling (RMHC) program is accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). The curriculum also meets the educational requirements for the Oregon Board of Licensed Professional Counselors and Therapists (OBLPCT), Certified Rehabilitation Counselors (CRC), and the National Board for Certified Counselors (NBCC). Some state license boards will require additional courses. The teacher preparation programs are accredited by Oregon Teacher Standards and Practices Commission (TSPC) and the College of Education is accredited by the Council for the Accreditation of Educator Preparation (CAEP).

## Deaf Studies and Professional Studies Division

Division Chair Denise Thew Hackett  
wou.edu/dsps/

This division houses two undergraduate majors, Interpreting Studies: Theory and American Sign Language Studies; one undergraduate minor: American Sign Language; and two graduate programs: Rehabilitation and Mental Health Counseling, and Interpreting Studies.

### Mission

The mission of DSPS is to foster the growth of future and current professionals to become ethical, reflective and dynamic practitioners in partnership with the communities we serve.

### Program Objectives

1. Ethical - Students will demonstrate {the} application of values-based ethical principles throughout their academic coursework and on-going professional development.
2. Reflective - Students will recognize, analyze, and implement discipline specific skills & knowledge in iterative reflective practice individually, with colleagues, and within the community.
3. Dynamic - Students will demonstrate commitment to continuous learning by collaborating with professionals and community members at local, national and international levels to develop an awareness of current trends in their disciplines and adapting to communities as they continue to transform.
4. Community - Students will recognize and apply cultural competencies that foster full participation in programs and the larger community.

Information may be obtained from the Deaf Studies and Professional Studies

Division office (RWECE) at 503-838-8322 or visit our website at wou.edu/dsps/.

## Education and Leadership Division

Division Chair Cindy Ryan  
wou.edu/teachered/

This division houses several degree and endorsement programs.

- An undergraduate and post baccalaureate initial teacher licensure degree program with options for a variety of subject endorsements and preparation levels from early childhood through high school offered on a full-time basis;
- An undergraduate Early Childhood Education Studies degree (non-licensure);
- A Master of Arts in Teaching: Initial Licensure degree with two tracks:
  - Master of Arts in Teaching: Initial Secondary Licensure track with options for a variety of subject endorsements and preparation for middle and high school levels offered on a full-time and part-time basis through two different delivery models.
  - Master of Arts in Teaching: Initial Elementary Licensure track for elementary school teaching offered on a part-time basis through a hybrid model with 2-week on campus summer institutes.

- A Master of Science in Education program for licensed teachers focused on developing teacher leaders with a variety of content areas including:
  - Master of Science in Special Education
  - Master of Science in Education focused on Educational Technology
- Multiple stand-alone or degree-based add-on endorsement options such as reading and ESOL.

## Mission

The Teacher Education Division is based upon educational equity, cultural sensitivity, caring and committed professionalism and an intellectually vital community. Division members are committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of P-12 students in schools.

## Program Objectives

1. Prepare effective teachers who demonstrate evidence of appropriate content

knowledge, skills and dispositions necessary for attaining high achievement for all PK-12 students.

2. Prepare caring, competent professionals who create a climate where diversity is valued.
3. Provide clinical experiences in varied partnership school district settings that model best practices.

Program information can be obtained by contacting the College of Education at 503-838-8471 or visit our website [wou.edu/teachered/](http://wou.edu/teachered/). Detailed information on teacher licensure, definitions and Oregon state testing requirements can be found at [wou.edu/teachered/](http://wou.edu/teachered/).

## Health and Exercise Science Division

Division Chair Gay Timken  
[wou.edu/hexs/](http://wou.edu/hexs/)

The division offers majors in Exercise Science and Public Health and is responsible for teaching endorsements in Health Education and Physical Education. More detailed information about a teaching endorsement in

Health Education can be found at School Health Teacher Education, B.S. For further information about a teaching endorsement in Physical Education see Physical Education Teacher Education, B.S.

## Mission

To maximize individual and professional development in health and movement science and to promote healthy lifestyles and communities.

## Program Objectives

1. Academic majors are prepared to plan effective strategies, interventions and programs based on assessment of individual and community needs.
2. Implement and evaluate strategies, interventions and programs.
3. Coordinate, communicate and advocate for research-based practices.

More detailed program information can be obtained by contacting the division at 503-838-8908 or visit our website at [wou.edu/hexs/](http://wou.edu/hexs/).

# College of Liberal Arts and Sciences

Interim Dean Kristin Latham-Scott  
[wou.edu/las/](http://wou.edu/las/)

The College of Liberal Arts and Sciences is the foundation for WOU's broad-based education. It is home to the academic divisions of Behavioral Sciences, Business and Economics, Computer Science, Creative Arts, Humanities, Natural Sciences and Mathematics and Social Science. The Interdisciplinary Studies Program is also housed within the college.

## Mission

We offer a vibrant array of liberal arts courses, along with a wide range of

specialized degree programs that expand students' horizons; hone skills that make students adaptable and flexible in a rapidly changing world; help students discover new passions and strengths; and prepare them for lifelong learning. Our graduates are poised to be engaged citizens locally and globally as well as productive contributors to a 21st-century economy.

## Vision

College faculty and staff will extend the

benefits of an advanced education to an increasingly diverse student body by collaborating within and across disciplines to identify and deliver that which is most important for a 21st-century college education.

## Program Objectives

1. Provide all students with opportunities to learn via a strong, cohesive and broad-based education.
2. Develop and maintain current, relevant and

innovative curricula within and across disciplines.

3. Provide traditional college-bound students with high-quality learning opportunities while expanding access to new populations.

## Behavioral Sciences Division

Division Chair Ethan McMahan  
wou.edu/behavioralsciences/

The Behavioral Sciences Division is responsible for majors and minors in Gerontology: Aging and Older Adulthood and Psychology.

### Mission

To create lifelong learners utilizing the scientist-practitioner model. Students gain competence in accessing, evaluating and integrating sources of knowledge within their field. Graduates of our program will understand the scientific foundations of their discipline and the core knowledge/concepts in the field.

Programs in the division provide opportunities for professional development, service to the community and practicum experiences in preparation for graduate study and/or work in a variety of fields.

Graduates will be able to apply such knowledge and skills in a manner consistent with an understanding of professional standards of ethical behavior. They will be prepared to interact effectively with others and resolve issues that face us as a society, a nation and a world.

### Program Objectives

1. Demonstrate an understanding and ability to integrate knowledge of their field and develop critical thinking/scientific method research skills.
2. Demonstrate an ability to apply knowledge, skills and values to meet the needs of others and self in personal and career development.

3. Demonstrate respect and sensitivity to physiological, psychological and social aspects of individuals within changing political, cultural, economic and sociohistorical contexts.

More detailed program information, including program admission requirements can be obtained by contacting the division office at 503-838-8344 or visit our website at wou.edu/behavioralsciences/.

## Business and Economics Division

Division Chair Bojan Ilievski  
wou.edu/business-economics/

The Business and Economics Division is responsible for majors and minors in Business and Economics and minors in Entrepreneurship and Sport Management.

### Mission

To prepare knowledgeable, well-rounded individuals for productive lives and careers in the business and economics professions and the public sector. Graduates are individuals who conduct themselves with intelligence and integrity in domestic and global environments.

### Program Objectives

Students will be able to:

1. Effectively identify, acquire and discriminate among information resources for analysis and evaluation.
2. Effectively communicate in written documents and oral presentations and to understand the interpersonal dynamics of team work.
3. Demonstrate understanding of the relationships and interaction of the various business and economics disciplines when solving problems and making decisions.

More detailed program information, including program admission requirements can be obtained by contacting the division at 503-838-8421 or visit our website at wou.edu/business-economics/.

## Computer Science Division

Division Chair Breeann Flesch  
wou.edu/cs/

The Computer Science Division is responsible for majors and minors in Computer Science, Data Analytics and Information Systems. These are software-oriented programs that stay close to the current needs of industry. The faculty teach the theoretical and practical aspects of computer science, with emphasis on the practical.

### Mission

To give students a comprehensive foundation in the field of computer science within a liberal arts setting. The faculty are committed to preparing graduates who will be productive employees in the information technology (IT) industry or promising graduate students.

### Program Objectives

1. To invest the time and effort to recruit females and other underrepresented populations into the computer science/information systems disciplines.
2. To provide computing expertise for the betterment of the community.
3. To provide the resources so that the faculty can remain current in the rapidly evolving computing environment.

More detailed program information, including program admission requirements can be obtained by contacting the division at 503-838-8480 or visit our website at wou.edu/cs/.

# Criminal Justice Sciences Division

Division Chair Misty Weitzel  
[www.wou.edu/criminal-justice/](http://www.wou.edu/criminal-justice/)

The Criminal Justice Sciences division is home to the Bachelor of Science and Master of Arts in Criminal Justice, and Youth Crime Studies, Forensic Anthropology, and Homeland Security and Community Preparedness minors, and a Certificate in Homeland Security and Community Preparedness.

## Mission

The criminal justice sciences division at WOU utilizes a strong liberal arts tradition to provide students with a mastery of the complete picture of crime as a social problem, providing the skills necessary to ensure the understanding of sound solutions for preventing and addressing crime at all levels of society. We seek to equip our students with a sound scientific background and excellent preparation in content areas in Courts, Corrections, Law Enforcement, Community Crime Prevention, Youth Crime, Forensic Anthropology, Homeland Security, and to provide options for interdisciplinary education.

## Program Objectives

1. Help students gain a complete understanding of the various components of the criminal justice field and their interrelatedness.
2. Help students understand the multitude of issues, theories, policies, practices and current challenges related to the ethical administration of justice in a free society.
3. Help students master the application of theories in real world social contexts.

## Humanities Division

Division Chair Paula Baldwin  
[wou.edu/humanities/](http://wou.edu/humanities/)

The Humanities Division is responsible for majors and minors in Communication Studies, English Studies (Linguistics, Literature, Writing, Integrated English Studies), French, German, Humanities, and Spanish and coursework in Philosophy and Religious Studies.

## Mission

Humanities majors and minors explore that unique human creation, language-not only for communication, but also in culture, literary art and philosophical and religious thought.

## Program Objectives

1. Provide students focused opportunities to investigate how culture is constructed and manifested in language.
2. Help students develop the creativity, critical thinking, written and oral skills necessary to maximize their individual and professional development.
3. Encourage students to make connections across disciplines and cultures.

More detailed program information, including program admission requirements, can be obtained by contacting the division at 503-838-8906 or visit our website at [wou.edu/humanities/](http://wou.edu/humanities/). For students interested in teaching English or Spanish in Middle or High School, please follow these links:

- Language Arts Teacher Education, B.S.
- Spanish Teacher Education, B.S.

## Natural Sciences and Mathematics Division

Kristin Latham-Scott  
[wou.edu/nsmath/](http://wou.edu/nsmath/)

The Natural Sciences and Mathematics Division is responsible for majors and minors in Biology, Chemistry, Earth and Environmental

Science, Integrated Science, Mathematics and Natural Science.

## Mission

To offer quality liberal arts education in Biology, Chemistry, Earth Science, Mathematics, Physics and Pre-Professional Studies. Our students have the opportunity to acquire and assimilate mathematical and scientific knowledge, that they may broaden and refine their understanding of the ever-changing world around them, while at Western Oregon University and throughout their lives.

## Program Objectives

1. To help students internalize and apply both the scientific method and major scientific and mathematical concepts and principles.
2. To enhance students' reasoning and problem-solving skills.
3. To improve students' individual and collaborative skills in preparation for the global scientific and mathematical challenges of the 21st century.

More detailed program information, including program admission requirements can be obtained by contacting the division at 503-838-8206 or visit our website at [wou.edu/nsmath/](http://wou.edu/nsmath/).

**Science and Mathematics Education Degrees offered collaboratively with the College of Education:**

Biology Teacher Education, B.S.  
Chemistry Teacher Education, B.S.  
Integrated Science Teacher Education, B.S.  
Mathematics Teacher Education, B.S.

## Social Science Division

Division Chair Mary Pettenger  
[wou.edu/socialscience/](http://wou.edu/socialscience/)

The Social Science Division is responsible for majors and minors



in History, International Studies, Political Science, Public Policy and Administration, Social Science, Social Science Teacher Education, Sociology and Sustainability.

The following minors are taught either wholly or partially, by this division: Environmental Studies, Film Studies, Gender Studies, Legal Studies, Latin American Studies, Latino/Chicano Studies, Public History, and Military Science.

## Mission

This community of scholars explores

the society's many dimensions by using methods developed by their discipline to understand both the past and the present. Division graduates apply these methods to resolving local, national and international issues.

## Program Objectives

1. Develop critical thinking, writing and speaking skills that analyze and communicate social issues.
2. Engage in research, internships and practicums for service agencies and schools.

3. Encourage leadership in addressing institutional, community and national issues.

For more detailed program information about coursework, faculty and admission requirements, call 503-838-8288 or visit our website at [wou.edu/socialscience/](http://wou.edu/socialscience/).

# Graduate Programs

---

## Program Objectives

Graduate students are screened and admitted into the various programs, each of which has admissions standards and designated graduate faculty. Campus-wide standards for admissions, selection of faculty, curricular revisions, operating policies and final examinations are established in accordance with recommendations of the Graduate Programs Committee.

The graduate faculty consists of the president and vice president of academic affairs of WOU, the academic deans, Dean of Graduate Studies and Research, the colleges' graduate faculty coordinators and members of the faculty who have been named by their divisions and approved

by the Dean of Graduate Studies and Research.

Each graduate student at WOU is expected to meet the following objectives pertinent to their specific graduate program:

- Demonstrate advanced competence and skill in the mastery of concepts, principles, systems and practices which are in the context of the student's specialty.
- Demonstrate advanced competence and skill in reading, interpreting and

applying the research and literature of the professional studies component of the student's graduate program.

- Demonstrate awareness and understanding of ethical, philosophical and cultural issues that apply to the professional component of the student's graduate program.
- Demonstrate the ability to synthesize and apply program skills and knowledge through the program's exit requirement.

# Academic Programs

## Undergraduate Major

### Accounting, B.S.

**Professor:** Keven Malkewitz

**Associate professor:** Bojan Ilievski

**Assistant professor:** Rajeeb Poudel

**Coordinator:** Anna Mahony

**Instructor:** Christy Hawley

### Mission

To prepare students for careers in public, governmental, and financial accounting

### Learning Outcomes

1. Students will demonstrate an understanding of intermediate-level financial accounting and reporting concepts.
2. Students will demonstrate an understanding of intermediate-level cost/managerial accounting concepts.
3. Students will demonstrate an understanding of the principles of individual and entity taxation.
4. Students will demonstrate an understanding of the principles of auditing.
5. Students will exhibit an understanding of ethical conduct in a global and diverse professional environment.

### Core Courses

- BA 131 Introduction to Business Computing **Credits: 3**
- BA 211 Financial Accounting **Credits: 4**
- BA 213 Managerial Accounting **Credits: 4**
- BA 230 Introduction to Business Law **Credits: 3**
- BA 243 Business Statistics **Credits: 4**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- BA 310 Principles of Marketing **Credits: 3**
- BA 315 Financial Management **Credits: 3**
- BA 325 Portfolio Management **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- BA 362 Business Ethics **Credits: 3**
- BA 367 Regression Analysis **Credits: 3**
- BA 490 Operations Management **Credits: 3**
- EC 318 Money and Banking **Credits: 4**

### Accounting Core

- BA 317 Intermediate Accounting I **Credits: 4**
- BA 318 Intermediate Accounting II **Credits: 4**
- BA 319 Intermediate Accounting III **Credits: 4**
- BA 421 Cost Accounting **Credits: 4**
- BA 431 Federal Income Tax I **Credits: 4**
- BA 432 Federal Income Tax II **Credits: 4**
- BA 445 Forensic Accounting **Credits: 4**
- BA 450 State & Local Government Accounting **Credits: 4**
- BA 451 Auditing **Credits: 4**

Total Credits: 79

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### American Sign Language Studies, B.A.

**Coordinator:** Kara Gournaris

**Assistant professor:** Kara Gournaris

### Mission

To create and transmit knowledge of American Sign Language (ASL) in a climate that promotes respect for Deaf Culture, Deaf History, and Deaf Communities.

### Learning Outcomes

1. Demonstrate the ability to express and comprehend ASL.
2. Portray the ability to recognize and analyze ASL linguistics features.
3. Practice sensitivity and understanding toward diverse Deaf communities.
4. Develop foundational skills suitable for pursuing higher education and careers that use ASL.

### Major Prerequisites

- ASL 101 American Sign Language I **Credits: 3-4 \***
- ASL 102 American Sign Language II **Credits: 3-4 \***
- ASL 103 American Sign Language III **Credits: 3-4 \***
- ASL 201 American Sign Language IV **Credits: 4 \***

## Academic Programs

- ASL 202 American Sign Language V **Credits: 4 \***
- ASL 203 American Sign Language VI **Credits: 4 \***
- LING 310 Introduction to Linguistics **Credits: 4**

### Note:

ASL Studies majors must have a grade of C or better in courses that are used to satisfy the major requirement. Students entering ASL 301 must pass ASL 203 with a B- or above.

\* Must be taken in numerical order

## Core Courses

- ASL 205 Introduction to ASL Studies **Credits: 3**
- ASL 301 American Sign Language VII **Credits: 4**
- ASL 302 American Sign Language VIII **Credits: 4**
- ASL 303 American Sign Language IX **Credits: 4**
- ASL 315 American Deaf Culture **Credits: 3**
- ASL 330 Special Topics in American Sign Language **Credits: 4**
- ASL 353 Linguistics of ASL **Credits: 4**
- ASL 413 American Sign Language  
Cherology/Phonology **Credits: 3**
- ASL 414 American Sign Language Morphology **Credits: 3**
- ASL 415 American Sign Language Syntax and Semantics **Credits: 3**
- ASL 420 Sociolinguistics of Deaf Communities **Credits: 3**
- ASL 456 First and Second Language Acquisition:  
Deaf and Hard of Hearing **Credits: 3**

## Elective Credits: 20

Choose 20 credits from any ASL prefix courses or other electives approved by ASL Studies major advisor.

## Total Credits: 85-88

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Aquarium Science, B.S.

**Professors:** Michael Baltzley, Sarah Boomer, Erin Baumgartner, Bryan Dutton, Shaun Hansen, Ava Howard, Keven Malkewitz, Kristin Latham-Scott, Michael LeMaster, Stephen Scheck

**Associate professors:** Gareth Hopkins, Bojan Ilievski, Rajeeb Poudel

## Mission

Provide theory and practical experience designed to prepare students for careers in the aquatic animal husbandry profession, including positions as aquarists, aquatic biologists, and keepers. Potential employment opportunities include public zoos and aquariums, ornamental fish retailers and wholesalers, aquaculture businesses, fish hatcheries, research programs, marine educational centers, state and federal natural resource agencies, as well as self-employment.

## Learning outcomes

1. Demonstrate critical thinking by engaging in laboratory experimentation, field research, data analysis and interpretation at multiple course levels.
2. Effectively communicate, verbally and in writing, scientific concepts, research findings and ideas to professionals and the general public.
3. Maintain, analyze, diagnose and repair aquarium life support systems and their components.
4. Perform basic water quality analysis using standard testing equipment.
5. Maintain healthy animals through proper set-up, monitoring and accepted animal husbandry practices.
6. Identify physically compromised animals and abnormal animal behaviors.
7. Work within a group to conceptualize, plan, construct and manage environments that promote the health of fishes and invertebrates.

Formal admission to the AQS major is required to begin coursework at OCCC. Students must have less than 32 credits remaining in their Foundational Science and Business and Economics courses in order to be admitted to the major.

## Core Courses

## Foundational Science

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**
- BI 213 Principles of Biology: Structure and Function **Credits: 4**

## Academic Programs

- CH 104 Chemistry and the Environment **Credits: 4**
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4**
- ES 331 Introduction to Oceanography **Credits: 3**
- MTH 110 Applied College Mathematics **Credits: 4**  
or MTH 111Z Precalculus I: Functions **Credits: 4**

### Choose Four

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 343 Analysis of Biological Data **Credits: 4**
- BI 360 Animal Behavior **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**
- BI 451 Invertebrate Zoology **Credits: 5**
- BI 453 Marine Vertebrates **Credits: 4**

## Business and Entrepreneurship

- BA 211 Financial Accounting **Credits: 4**
- BA 310 Principles of Marketing **Credits: 3**
- BA 315 Financial Management **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- BA 362 Business Ethics **Credits: 3**
- BA 370 Business and Society **Credits: 3**
- ENT 350 Small Business Management **Credits: 3**

## Oregon Coast Community College Aquarium Science courses

- AQS 100 Introduction to Aquarium Science **Credits: 3**
- AQS 110 Aquarium Science Practicum 1 **Credits: 2**
- AQS 111 Aquarium Science Practicum 2 **Credits: 2**
- AQS 165 Current Issues in Aquarium Science **Credits: 1**
- AQS 173 Chemistry of Aquatic Systems **Credits: 4**
- AQS 215 Biology of Captive Fishes **Credits: 4**
- AQS 216 Elasmobranch Husbandry **Credits: 2**
- AQS 220 Biology of Captive Invertebrates **Credits: 4**
- AQS 226 Biology of Diverse Captive Species **Credits: 2**
- AQS 232 Reproduction & Nutrition of Aquatic Animals **Credits: 4**
- AQS 240 Life Support System Design and Operation **Credits: 4**
- AQS 245 Animal Husbandry in a Research Capacity **Credits: 2**
- AQS 252 Exhibits and Interpretation **Credits: 3**
- AQS 270 Fish & Invertebrate Health Management **Credits: 4**

- AQS 295 Aquarium Science Internship **Credits: 12**

Total Credits: 119-121

### Note:

Western Oregon University has an undergraduate graduation requirement stipulating that 45 of the last 75 credits of a degree must be completed in Western Oregon University courses. For students accepted into the AQS degree program, Oregon Coast Community College AQS courses are not counted as part of the last 75 credits of the degree.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Art & Design, B.A.

**Professors:** Jennifer Bracy, Michael Freeman, Jodie Garrison, Rebecca McCannell

**Associate professors:** Mary Harden, Daniel Tankersley

**Assistant professor:** Peter Hoffeker-Mejia

## Mission

To foster creative thinking, technique, critical inquiry, and visual literacy for application to art and design. Students engage art and design practices in a studio atmosphere, bringing together form, materials, and meaning to create expressive work. The curriculum integrates a variety of media and technologies. It emphasizes aesthetic awareness, collaboration, problem solving, innovation, and visual communication. An amalgamation of studio practices, art history, and contemporary theory provide contextual basis for creativity. The program equips students with a framework for understanding their place and role as artists and designers in an ever-changing world. Campus galleries exhibit student and professional work, contributing to the cultural environment of the campus and region. Applied projects empower students to address issues that impact their local, global, and online communities.

## Learning Outcomes

1. Cultivate lifelong strategies for creative thinking, skill-building, and active practice of art and design.
2. Engage in the world through critical inquiry and design process and analyze art and design in context. (ULO- Inquiry and Analysis)
3. Integrate vision, language, form, and materials for communication and self-expression. (ULO- Integrative Learning)

# Academic Programs

## Core Courses

### Foundation

- A 115 Beginning Design: Two-dimensional **Credits: 4**
- A 116 Beginning Design: Three-dimensional **Credits: 4**
- A 120 Beginning Digital Art & Design **Credits: 4**
- A 130 Beginning Drawing **Credits: 4**

### Art History

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**

Choose either the Concentration or the following Courses:

Complete either the Visual Communication Design Concentration **or** the following course requirements (not both):

### 200 Level Studio Courses

Many upper division studio courses require specific 200-level courses as prerequisites. Plan with an advisor.

Choose Four:

- A 220 Introduction to Typography **Credits: 4**
- A 230 Introduction to Life Drawing **Credits: 4**
- A 250 Introduction to Ceramics **Credits: 4**
- A 262 Digital Images & Photography I **Credits: 4**
- A 270 Introduction to Printmaking **Credits: 4**
- A 280 Introduction to Painting **Credits: 4**
- A 290 Introduction to Sculpture **Credits: 4**

### Upper Division Elective Credits: 36

- Minimum 36 credits of any 300-level and/or 400-level Art & Design courses.
- Most upper division Art & Design studio courses have prerequisites. See advisor.
- Upper division Art History courses may be applied here.

- Up to 4 credits of A 410 Critique & Seminar and up to 2 credits of A 318 Gallery Internship may be applied here.

### Capstone

- A 419 Professional Concerns **Credits: 4**
- **or** A 429 Portfolio & Professional Preparation **Credits: 4**

### Total Credits: 84

## Visual Communication Design Concentration

### Core Courses

#### 200-level Studio Courses

- A 220 Introduction to Typography **Credits: 4**
- A 262 Digital Images & Photography I **Credits: 4**

#### 200-level Studio Electives Credits: 8

Minimum 8 additional credits of 200-level Art & Design studio courses.

Many upper division studio courses require specific 200-level courses as prerequisites. Plan with an advisor.

### Upper Division Studio Courses

- A 308 History of Graphic Design **Credits: 4**
- A 311 Creativity and Idea Generation **Credits: 4**
- A 320 Graphic Design: Process & Theory **Credits: 4**
- A 321 Graphic Design: Form and Communication **Credits: 4**
- A 323 Art & Design for the Internet **Credits: 4**
- A 326 Video & Animation I **Credits: 4**

### Upper Division Electives Credits: 12

Minimum 12 additional credits of any 300-level and/or 400-level Art & Design courses.

Most upper division Art & Design studio courses have prerequisites. See advisor.

Upper division Art History courses may be applied here.

## Academic Programs

Up to 4 credits of A 410 Critique & Seminar and up to 2 credits of A 318 Gallery Internship may be applied here.

### Capstone

- A 429 Portfolio & Professional Preparation **Credits: 4**

**Total Credits: 56**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Art & Design, B.F.A.

**Professors:** Jennifer Bracy, Michael Freeman, Jodie Garrison, Rebecca McCannell

**Associate professors:** Mary Harden, Daniel Tankersley

**Assistant professor:** Peter Hoffeker-Mejia

## Mission

Advanced undergraduate study to foster lifelong strategies of creative thinking, technique, critical inquiry, and visual literacy for application to art and design. Students engage art and design practices in a studio atmosphere, bringing together form, materials, and meaning to create expressive work. The curriculum integrates a variety of media and technologies. It emphasizes aesthetic awareness, collaboration, problem solving, innovation, and visual communication. An amalgamation of studio practices, art history, and contemporary theory provide contextual basis for creativity. The program equips students with a framework for understanding their place and role as artists and designers in an ever-changing world. Campus galleries exhibit student and professional work, contributing to the cultural environment of the campus and region. Applied projects empower students to address issues that impact their local, global, and online communities.

The optional Art & Design Education Concentration combines a comprehensive Art & Design major with all the Education coursework and classroom experience required for Oregon K-12 teaching licensure. Students who complete the concentration are fully prepared for careers teaching art and/or design in K-12 schools.

## Learning Outcomes

1. Demonstrate conceptual and technical competence in the active practice of art and design.
2. Show evidence of critical inquiry and design process, and analyze art and design in context.
3. Integrate vision, language, form, and materials for communication and self-expression.

## Core Courses

### 100-Level Foundation Courses Credits: 16

- A 115 Beginning Design: Two-dimensional **Credits: 4**
- A 116 Beginning Design: Three-dimensional **Credits: 4**
- A 120 Beginning Digital Art & Design **Credits: 4**
- A 130 Beginning Drawing **Credits: 4**

### 200-Level Studio Credits: 16

- Minimum 16 credits of 200-level Art & Design studio courses.
- Many upper division studio courses require specific 200-level courses as prerequisites. Plan with an advisor.
- A 220 Introduction to Typography **Credits: 4**
- A 230 Introduction to Life Drawing **Credits: 4**
- A 250 Introduction to Ceramics **Credits: 4**
- A 262 Digital Images & Photography I **Credits: 4**
- A 270 Introduction to Printmaking **Credits: 4**
- A 280 Introduction to Painting **Credits: 4**
- A 290 Introduction to Sculpture **Credits: 4**

### 200-Level Art History Credits: 12

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**

Choose either the Concentration or the following Courses:

Complete Either the Art & Design Education Concentration **or** the following course requirements (not both):

### Upper Division Art History Choose Two

- A 304 History of Modern Art, 1789-1914 **Credits: 4**
- A 305 History of Modern Art, 1914-1965 **Credits: 4**
- A 306 History of Modern Art, 1965-Present **Credits: 4**
- A 308 History of Graphic Design **Credits: 4**
- A 404 Art History: Non-Western Art **Credits: 4**
- A 405 Art History: Gender in Art **Credits: 4**
- A 406 Art History: Special Topics **Credits: 4**

## Academic Programs

### Critique & Seminar

- A 410 Critique & Seminar **Credits: 2**

### Upper Division Elective Credits: 52

- Minimum 52 credits of any 300-level and/or 400-level Art & Design courses.
- Most upper division Art & Design studio courses have prerequisites. See advisor.
- If the Upper Division Art History requirement is already met, additional upper division Art History courses may be applied here.
- Up to 4 additional credits of A 410 Critique & Seminar and up to 2 credits of A 318 Gallery Internship may be applied here.

### Capstone Choose One

- A 419 Professional Concerns **Credits: 4**
- A 429 Portfolio & Professional Preparation **Credits: 4**

### Total Credits: 110-138

## Art & Design Education Concentration

### Core Courses

### Upper Division Electives Credits: 28

- Minimum 28 credits of any 300-level and/or 400-level Art & Design courses.
- Most upper division Art & Design studio courses have prerequisites. See advisor.
- Upper division Art History courses may be applied here.
- Up to 4 credits of A 410 Critique & Seminar and up to 2 credits of A 318 Gallery Internship may be applied here.

### Seminar/Observation Credits: 4

- ARE 414 Art & Design Education Seminar **Credits: 2**  
Credits: 4  
2 terms, 2 credits each

### Pre-Education Core

- ED 200 Foundations of Education **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

### Education Courses

- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**
- ED 412 Clinical Experience II **Credits: 3**
- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 429 Professional Development Seminar III **Credits: 2**
- ED 434 Content Pedagogy I **Credits: 3**
- ED 436 Content Pedagogy II **Credits: 3**
- ED 444 Content Literacy **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**
- ED 498 Clinical Experience III **Credits: 10**

### Total Credits: 90

### Note:

Completion of the General Education coursework is required for the BFA in Art and Design.

Art & Design, B.F.A. majors must have a grade of C- or better in courses that are used to satisfy the major requirements.

### Satisfactory Grade Use

Art (A) course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any other courses that will be used in the program.

## Academic Programs

### Art, B.A.

This program has been transitioned to a new Art & Design major, as of the beginning of Summer term 2018. After that time, only students who are already enrolled in and completing this major, or are part of a current relevant dual admission partnership, may choose it.

**Professors:** Jennifer Bracy, Michael Freeman, Jodie Garrison, Rebecca McCannell

**Associate professors:** Mary Harden, Daniel Tankersley, Garima Thakur

**Assistant professor:** Peter Hoffeker-Mejia

### Mission

Cultivate a unified atmosphere of learning in the undergraduate programs of visual art through aesthetic research activities and artmaking, personalized learning and public service. The program teaches theory, philosophy and aesthetic awareness. Student and professional gallery exhibits contribute to the cultural environment of the campus and region. The process of critical and creative thinking, skill building and visual literacy are emphasized throughout the program.

### Learning Outcomes

1. Cultivate lifelong strategies for creative thinking, skill-building, and active practice of art and design.
2. Engage in the world through critical inquiry and design process and analyze art and design in context. (ULO- Inquiry and Analysis)
3. Integrate vision, language, form, and materials for communication and self-expression. (ULO- Integrative learning)

### Core Courses

#### Foundation

- A 115 Beginning Design: Two-dimensional **Credits: 4**
- A 116 Beginning Design: Three-dimensional **Credits: 4**
- A 120 Beginning Digital Art & Design **Credits: 4**
- A 130 Beginning Drawing **Credits: 4**

#### Art History

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**

- A 206 Art History: Baroque through Contemporary **Credits: 4**

### 200-Level Studio Credits: 16

Minimum of 16 credits of 200-level Art and Design courses. Plan with an adviser to take prerequisites required for upper division coursework.

### Upper Division Studio Credits: 28

See adviser. Minimum of 28 credits in 300- and/or 400-level Art and Design courses.

### Theory and Capstone

- A 315 Intermediate Design: Two-Dimensional **Credits: 4**
- A 316 Intermediate Design: Three-Dimensional **Credits: 4**
- A 419 Professional Concerns **Credits: 4**

### Total Credits: 84

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Biology Teacher Education, B.S.

**Professors:** Michael Baltzley, Sarah Boomer, Erin Baumgartner, Bryan Dutton, Ava Howard, Kristin Latham-Scott, Michael LeMaster, Stephen Scheck

**Associate professor:** Gareth Hopkins

### Mission

Prepare students for careers in biology and science education and admission to graduate and professional schools in the life and health sciences. We also promote the understanding of biology as an essential part of a liberal arts education and of global citizenship.

### Learning Outcomes

1. Demonstrate mastery of key concepts from the many disciplines within the biological sciences.
2. Demonstrate critical thinking through laboratory experimentation, field research, data analysis and interpretation.



## Academic Programs

3. Apply concepts and skills from multiple courses to engage in advanced studies and research.

### Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**
- BI 213 Principles of Biology: Structure and Function **Credits: 4**
- BI 314 Introductory Genetics **Credits: 4**
- BI 315 Cell Biology **Credits: 4**
- BI 316 Evolution **Credits: 4**
- BI 321 Systematic Field Botany **Credits: 4**
- BI 331 General Microbiology **Credits: 4**
- BI 357 General Ecology **Credits: 4**
- BI 419 Biology Teaching Practicum **Credits: 2**
- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**

### Choose One

- BI 343 Analysis of Biological Data **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Choose One Inquiry/Organismal Course

- BI 360 Animal Behavior **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**

### Choose Two Physiology Courses

One plant based and one animal based

#### Plant Based

- BI 330 Plant Physiology **Credits: 5**
- BI 340 Plant Nutrition **Credits: 4**
- BI 371 Structure of Seed Plants **Credits: 4**

#### Animal Based

- BI 426 Genes and Development **Credits: 4**
- BI 432 Immunology **Credits: 4**
- BI 434 Comparative Animal Physiology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**

### Choose One Organismal Course

Cannot be the course selected for inquiry/organismal

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 324 Comparative Vertebrate Anatomy **Credits: 5**
- BI 360 Animal Behavior **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**
- BI 451 Invertebrate Zoology **Credits: 5**
- BI 453 Marine Vertebrates **Credits: 4**
- BI 454 Plant Ecology **Credits: 5**
- BI 461 Conservation Biology **Credits: 4**
- BI 474 Biology of Insects **Credits: 5**

### Choose One Earth and Physical Science Course

- CH 320 Introduction to Forensic Science **Credits: 4**
- CH 361 Energy, Resources and the Environment **Credits: 3**
- ES 331 Introduction to Oceanography **Credits: 3**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- PH 201 General Physics **Credits: 4**

Total Credits: 76-80

### Note:

This program does not lead to a biology degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into education programs can be obtained from the College of Education.

### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

### Biology, B.S.

**Professors:** Michael Baltzley, Sarah Boomer, Erin Baumgartner, Bryan Dutton, Ava Howard, Kristin Latham-Scott, Michael LeMaster, Stephen Scheck  
**Associate professor:** Gareth Hopkins

# Academic Programs

## Mission

Prepare students for careers in biology and science education and admission to graduate and professional schools in the life and health sciences. We also promote the understanding of biology as an essential part of a liberal arts education and of global citizenship.

## Learning Outcomes

1. Demonstrate mastery of key concepts from the many disciplines within the biological sciences.
2. Demonstrate critical thinking through laboratory experimentation, field research, data analysis and interpretation.
3. Apply concepts and skills from multiple courses to engage in advanced studies and research.

## Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**
- BI 213 Principles of Biology: Structure and Function **Credits: 4**
- BI 314 Introductory Genetics **Credits: 4**
- BI 315 Cell Biology **Credits: 4**
- BI 316 Evolution **Credits: 4**
- BI 331 General Microbiology **Credits: 4**
- BI 343 Analysis of Biological Data **Credits: 4**
- BI 357 General Ecology **Credits: 4**
- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**

## Choose One Field Biology Course

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 321 Systematic Field Botany **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**
- BI 451 Invertebrate Zoology **Credits: 5**
- BI 454 Plant Ecology **Credits: 5**
- BI 474 Biology of Insects **Credits: 5**

## Choose One Plant Biology Course

- BI 321 Systematic Field Botany **Credits: 4**
- BI 330 Plant Physiology **Credits: 5**
- BI 340 Plant Nutrition **Credits: 4**

- BI 371 Structure of Seed Plants **Credits: 4**
- BI 454 Plant Ecology **Credits: 5**

## Choose One Animal Biology Course

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 324 Comparative Vertebrate Anatomy **Credits: 5**
- BI 360 Animal Behavior **Credits: 4**
- BI 434 Comparative Animal Physiology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**
- BI 451 Invertebrate Zoology **Credits: 5**
- BI 453 Marine Vertebrates **Credits: 4**
- BI 474 Biology of Insects **Credits: 5**

## Choose One Mathematics Course

- MTH 112Z Precalculus II: Trigonometry **Credits: 4**
- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**

## Choose One Focus Area

- Botany Focus
- General Biology Focus
- Molecular/Cell Focus
- Natural History/Field Biology Focus
- Pre-Professional Focus
- Zoology Focus

Total Credits: 83-126

## Botany Focus

## Core Courses

- BI 330 Plant Physiology **Credits: 5**
- BI 340 Plant Nutrition **Credits: 4**
- BI 371 Structure of Seed Plants **Credits: 4**
- Any upper division biology course approved by student's biology adviser (4-5)

Total Credits: 17-18

## Academic Programs

### General Biology Focus

#### Core Courses

At least one course selected in the focus must be a plant-focused course.

#### Choose Two Physiology Courses

- BI 324 Comparative Vertebrate Anatomy **Credits: 5**
- BI 330 Plant Physiology **Credits: 5**
- BI 340 Plant Nutrition **Credits: 4**
- BI 371 Structure of Seed Plants **Credits: 4**
- BI 426 Genes and Development **Credits: 4**
- BI 432 Immunology **Credits: 4**
- BI 434 Comparative Animal Physiology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**

#### Choose Two Organismal Courses

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 321 Systematic Field Botany **Credits: 4**
- BI 360 Animal Behavior **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**
- BI 451 Invertebrate Zoology **Credits: 5**
- BI 453 Marine Vertebrates **Credits: 4**
- BI 454 Plant Ecology **Credits: 5**
- BI 461 Conservation Biology **Credits: 4**
- BI 474 Biology of Insects **Credits: 5**

Total Credits: 16-20

### Molecular/Cell Focus

#### Core Courses

- BI 426 Genes and Development **Credits: 4**
- CH 450 Biochemistry I **Credits: 4**
- CH 451 Biochemistry II **Credits: 3**
- MTH 251 Calculus I **Credits: 4**
- Any upper division chemistry course approved by student's biology adviser Credits: 3-5
- Any upper division biology course approved by student's biology adviser Credits: 4-5

### Minor

Students in this focus must complete either the Physical Science Minor or the Forensic Chemistry Minor.

Total Credits: 49-57

#### Note:

MTH 251 can be used to fulfill the Mathematics requirement for both the Biology Core Courses and for the Molecular/Cell focus. Students who may need the Physics series for professional program prerequisites are strongly encouraged to consult with their academic advisor when choosing a minor.

### Natural History/Field Biology Focus

#### Core Courses

#### Choose Four

At least one must be a plant focused course.

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 321 Systematic Field Botany **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**
- BI 451 Invertebrate Zoology **Credits: 5**
- BI 453 Marine Vertebrates **Credits: 4**
- BI 454 Plant Ecology **Credits: 5**
- BI 461 Conservation Biology **Credits: 4**
- BI 474 Biology of Insects **Credits: 5**

Total Credits: 17-20

### Pre-Professional Focus

#### Core Courses

- Any upper division biology course approved by student's biology adviser (4-5)

#### Choose One Option

#### Option A

- BI 334 Advanced Human Anatomy and Physiology **Credits: 4**

## Academic Programs

- BI 335 Advanced Human Anatomy and Physiology **Credits: 4**
- BI 336 Advanced Human Anatomy and Physiology **Credits: 4**
- CH 451 Biochemistry II **Credits: 3**

### Option B

- BI 324 Comparative Vertebrate Anatomy **Credits: 5**
- BI 434 Comparative Animal Physiology **Credits: 4**
- CH 451 Biochemistry II **Credits: 3**

### Choose One

- BI 426 Genes and Development **Credits: 4**
- BI 432 Immunology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**

### Option C

- BI 334 Advanced Human Anatomy and Physiology **Credits: 4**
- BI 335 Advanced Human Anatomy and Physiology **Credits: 4**
- BI 336 Advanced Human Anatomy and Physiology **Credits: 4**

### Choose One

- BI 426 Genes and Development **Credits: 4**
- BI 432 Immunology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**

## Total Credits: 19-21

### Note:

Selection of an option above requires approval from a biology adviser as each option is designed to address specific professional program prerequisites.

Additional math courses may be required for some pre-professional programs. Pre-professional students should consult the appropriate pre-professional biology adviser.

## Zoology Focus

## Core Courses

## Biology of Invertebrates

### Choose One

- BI 451 Invertebrate Zoology **Credits: 5**
- BI 474 Biology of Insects **Credits: 5**

## Biology of Vertebrates

### Choose One

- BI 317 Vertebrate Natural History **Credits: 5**
- BI 324 Comparative Vertebrate Anatomy **Credits: 5**
- BI 453 Marine Vertebrates **Credits: 4**

## General Zoology

### Choose One

- BI 360 Animal Behavior **Credits: 4**
- BI 426 Genes and Development **Credits: 4**
- BI 432 Immunology **Credits: 4**
- BI 434 Comparative Animal Physiology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**

## Additional Upper Division Biology Credits: 4-5

- Any upper division biology course approved by student's biology adviser (4-5)

## Total Credits: 17-19

### Note:

A minimum of 4-credits of BI 406 and/or BI 419 may be substituted for one elective course in the selected focus with pre-approval of the student's biology adviser.

If a course is used to fulfill more than one specified requirement within the major, the credits must be replaced with upper division biology elective credits. BI 406, BI 419, and BI 424 may be used to complete the upper division credit requirement.

### Biology Program:

1. Biology majors, regardless of the focus, are required to maintain a C average in courses that are used to satisfy biology degree requirements.

## Academic Programs

2. Students graduating in the various focuses of the Biology major are required to take a standardized exit exam in their last year.

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Business, B.S.

**Professors:** Keven Malkewitz

**Associate professor:** Bojan Ilievski, Rajeeb Poudel

## Mission

Prepare students for challenging roles and opportunities in business, advanced degree programs and professional certification.

## Learning Outcomes

1. Demonstrate quantitative literacy in a variety of business contexts.
2. Interpret and analyze information to solve problems or make decisions.
3. Use appropriate writing methods to communicate concepts in business environments.

## Core Courses

- BA 131 Introduction to Business Computing **Credits: 3**
- BA 211 Financial Accounting **Credits: 4**
- BA 213 Managerial Accounting **Credits: 4**
- BA 230 Introduction to Business Law **Credits: 3**
- BA 240 Quantitative Business Methods **Credits: 4**  
or MTH 241 Calculus for Social Science I **Credits: 4**
- BA 243 Business Statistics **Credits: 4**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- BA 310 Principles of Marketing **Credits: 3**
- BA 315 Financial Management **Credits: 3**
- BA 325 Portfolio Management **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- BA 362 Business Ethics **Credits: 3**
- BA 367 Regression Analysis **Credits: 3**
- BA 368 Introduction to Operations Research **Credits: 3**
- BA 411 Marketing Strategy **Credits: 3**

- BA 490 Operations Management **Credits: 3**
- BA 491 Strategic Management **Credits: 3**

## Choose One

- EC 318 Money and Banking **Credits: 4**
- EC 319 Public Finance **Credits: 4**
- EC 340 International Trade **Credits: 4**
- EC 344 Labor Economics **Credits: 4**

## Upper Division Elective Credits: 24

24 credits in Business, Economics or Entrepreneurship

Within these 24 upper division credits, students wishing to obtain a concentration in Finance, International Business, Management or Marketing will select from designated courses as follow:

## Choose One Concentration (Optional)

- Finance Concentration
- International Business Concentration
- Management Concentration
- Marketing Concentration

## Total Credits: 80

### Note:

Additional information regarding these requirements should be obtained from the division. Limited courses taken at other institutions may be transferred to the program based on the course and grade obtained.

## Finance Concentration

## Core Courses

Choose 12 credits from:

- BA 316 Advanced Financial Management **Credits: 3**
- BA 340 Business Forecasting **Credits: 4**
- BA 420 Securities Analysis **Credits: 3**
- BA 424 Capital Budgeting **Credits: 3**
- BA 427 Small Business Finance **Credits: 3**
- BA 438 Real Estate Investment **Credits: 3**
- BA 478 Topics in Finance **Credits: 3**
- BA 485 International Finance **Credits: 3**

## Academic Programs

Total Credits: 12

### International Business Concentration

#### Core Courses

Choose 12 credits from:

- BA 484 International Management **Credits: 3**
- BA 485 International Finance **Credits: 3**
- BA 486 International Marketing **Credits: 3**
- BA 487 International Law **Credits: 3**
- EC 340 International Trade **Credits: 4**
- EC 441 International Monetary Economics **Credits: 4**

Total Credits: 12

### Management Concentration

#### Core Courses

Choose 12 credits from:

- BA 391 Human Resource Management **Credits: 3**
- BA 392 Management of Diversity **Credits: 3**
- BA 474 Business Leadership **Credits: 3**
- BA 484 International Management **Credits: 3**
- BA 492 Total Quality Management **Credits: 3**
- BA 495 Organization Design **Credits: 3**
- ENT 330 Planning and Creating New Ventures **Credits: 3**
- ENT 350 Small Business Management **Credits: 3**

Total Credits: 12

### Marketing Concentration

#### Core Courses

- BA 410 Marketing Research **Credits: 3**
- BA 415 Integrated Marketing Communications **Credits: 3**
- BA 435 Consumer Behavior **Credits: 3**

Elective Credits: 9

- BA 311 Personal Selling **Credits: 3**

- BA 345 Digital Marketing **Credits: 4**
- BA 412 New Product Development **Credits: 3**
- BA 414 Sports Marketing **Credits: 3**
- BA 477 Topics in Marketing **Credits: 3**
- BA 486 International Marketing **Credits: 3**
- Experiential Learning (Up to six credits from BA 399, BA 406, BA 407, and BA 409)

Total Credits: 18

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Chemistry Teacher Education, B.S.

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

#### Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the environmental or atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

#### Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.

## Academic Programs

6. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social responsibility to recognize the impact that our actions have on the natural and human world.

Formal admission is required for all students seeking a chemistry or chemistry-forensic chemistry concentration degree. Typically, application for admission will be made at the end of a student's sophomore year by completing a degree plan with the adviser. Prior to admission, the student should have completed the set of courses below.

### Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**
- CH 312 Analytical Chemistry **Credits: 4**
- CH 334 Organic Chemistry **Credits: 4**
- CH 335 Organic Chemistry **Credits: 4**
- CH 336 Organic Chemistry **Credits: 4**
- CH 350 Chemical Literature **Credits: 1**
- CH 409 Practicum **Credits: 1-9** Credits: 1
- CH 440 Physical Chemistry I **Credits: 4**
- CH 450 Biochemistry I **Credits: 4**
- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**

### Choose One

- PH 201 General Physics **Credits: 4**
- PH 202 General Physics **Credits: 4**
- PH 203 General Physics **Credits: 4**  
or PH 211 General Physics with Calculus **Credits: 4**
- PH 212 General Physics with Calculus **Credits: 4**
- PH 213 General Physics with Calculus **Credits: 4**

### Choose One

- CH 320 Introduction to Forensic Science **Credits: 4**
- CH 322 Medicinal Chemistry and Pharmacology **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**

**Total Credits: 68-69**

### Note:

MTH 112Z is the prerequisite for MTH 251. This major does not lead to a chemistry degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into education programs can be obtained from the College of Education.

### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Chemistry, B.S.

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

### Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry, environmental or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

### Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.

## Academic Programs

1. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social responsibility to recognize the impact that our actions have on the natural and human world.

All students completing this degree program will earn a Bachelor of Science (BS) degree in Chemistry. Students pursuing this degree are required to maintain a C average in their major coursework. Chemistry majors must complete the chemistry core courses and one chemistry concentration as listed below:

### Core Courses

- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**
- CH 311 Inorganic Chemistry **Credits: 4**
- CH 312 Analytical Chemistry **Credits: 4**
- CH 334 Organic Chemistry **Credits: 4**
- CH 335 Organic Chemistry **Credits: 4**
- CH 336 Organic Chemistry **Credits: 4**
- CH 350 Chemical Literature **Credits: 1**
- CH 365 Materials Chemistry **Credits: 4**
- CH 407 Seminar **Credits: 1**
- CH 440 Physical Chemistry I **Credits: 4**
- CH 450 Biochemistry I **Credits: 4**
- CH 461 Experimental Chemistry **Credits: 3**
- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**

### Choose One Concentration

- Forensic Chemistry Concentration
- Medicinal Chemistry and Pharmacology Concentration
- Traditional Chemistry Concentration

Total Credits: 87-123

### Forensic Chemistry Concentration

#### Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 314 Introductory Genetics **Credits: 4**
- CH 161 Crime Scene Analysis **Credits: 4**

- CH 320 Introduction to Forensic Science **Credits: 4**
- CH 320L Lab: Introduction to Forensic Science **Credits: 0**
- CH 409 Practicum **Credits: 1-9 Credits: 1**
- CH 420 Forensic Laboratory Techniques and Documentation **Credits: 4**
- CH 430 Applications of Forensic Science **Credits: 3**
- CJ 321 Principles of Forensic Investigations **Credits: 4**
- COM 327 Communication in the Legal Field **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Choose One

- PH 201 General Physics **Credits: 4**
  - and PH 202 General Physics **Credits: 4**
  - and PH 203 General Physics **Credits: 4**or
- PH 211 General Physics with Calculus **Credits: 4**
  - and PH 212 General Physics with Calculus **Credits: 4**
  - and PH 213 General Physics with Calculus **Credits: 4**

### Choose One

- CJ 219 Ethics and Leadership in Criminal Justice **Credits: 4**
- PHL 251 Ethics **Credits: 4**
- PHL 252 Medical Ethics **Credits: 4**
- PHL 255 Environmental Ethics **Credits: 4**
- HE 485 Bioethics and Public Health **Credits: 4**

### Elective Credits: 5-8

- BI 315 Cell Biology **Credits: 4**
- BI 331 General Microbiology **Credits: 4**
- BI 426 Genes and Development **Credits: 4**
- CH 322 Medicinal Chemistry and Pharmacology **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**
- CH 370 Selected Topics in Chemistry **Credits: 1-3**
- CH 401 Research **Credits: 1-3**
- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 322 Forensic Anthropology **Credits: 4**  
or ANTH 322 Forensic Anthropology **Credits: 4**
- CJ 328 Forensic Osteology **Credits: 4**
- CJ 333 Forensic DNA Analysis **Credits: 4**
- CJ 341 Introduction to GIS **Credits: 4**



## Academic Programs

- CJ 342 Strategic Crime Analysis with GIS **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**
- PSY 336 Introduction to Forensic Psychology **Credits: 4**

Total Credits: 57-60

## Medicinal Chemistry and Pharmacology Concentration

### Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**
- BI 213 Principles of Biology: Structure and Function **Credits: 4**
- BI 314 Introductory Genetics **Credits: 4**
- BI 315 Cell Biology **Credits: 4**
- BI 331 General Microbiology **Credits: 4**
- CH 247 Foundations of Integrative Medicine **Credits: 4**
- CH 322 Medicinal Chemistry and Pharmacology **Credits: 4**
- CH 451 Biochemistry II **Credits: 3**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Choose One

- PH 201 General Physics **Credits: 4**
  - **and** PH 202 General Physics **Credits: 4**
  - **and** PH 203 General Physics **Credits: 4**
- or
- PH 211 General Physics with Calculus **Credits: 4**
  - **and** PH 212 General Physics with Calculus **Credits: 4**
  - **and** PH 213 General Physics with Calculus **Credits: 4**

### Elective Credits: 9-12

- BI 334 Advanced Human Anatomy and Physiology **Credits: 4**
- BI 335 Advanced Human Anatomy and Physiology **Credits: 4**
- BI 336 Advanced Human Anatomy and Physiology **Credits: 4**
- BI 426 Genes and Development **Credits: 4**

- BI 432 Immunology **Credits: 4**
- BI 437 Neurobiology **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**
- CH 370 Selected Topics in Chemistry **Credits: 1-3**
- CH 401 Research **Credits: 1-3**
- CH 409 Practicum **Credits: 1-9** Credits: 1-3

Total Credits: 60-63

## Traditional Chemistry Concentration

### Core Courses

- CH 401 Research **Credits: 1-3** Credits: 2
- CH 441 Physical Chemistry II **Credits: 3**
- CH 442 Physical Chemistry III **Credits: 3**
- MTH 254 Multivariate Calculus **Credits: 4**
- PH 211 General Physics with Calculus **Credits: 4**
- PH 212 General Physics with Calculus **Credits: 4**
- PH 213 General Physics with Calculus **Credits: 4**

### Elective Credits: 3-4

- Upper Division Chemistry, Physics or Math

Total Credits: 27-28

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Communication Studies, B.A.

**Professors:** Paula Baldwin, Emily Plec

**Associate professors:** Dana Schowalter, Alex Curry

**Additional faculty:** William Andersen, Tiara Good, Sarah Sheldrick

### Mission

Committed to excellence in teaching, research and service in communication based on sound theory and practice, concentrating on understanding contexts and perspectives, preparing students for lifelong effective communication.

### Learning Outcomes

## Academic Programs

1. Learn and apply communication theories, perspectives, principles and concepts.
2. Create messages appropriate to the audience, purpose and context.
3. Critically analyze targeted messages.

## Core Courses

### Careers in Communication Studies

- COM 109 Career Exploration **Credits: 2**
- COM 309 Career Readiness **Credits: 2**

### Foundations Credits: 16

- COM 100Z Introduction to Communication **Credits: 4**
- COM 211 Introduction to Mass Communication **Credits: 4**
- COM 212 Advertising and Society **Credits: 4**
- COM 218Z Interpersonal Communication **Credits: 4**
- COM 260 Sport & Social Movements **Credits: 4**
- COM 310 Communicating with Data **Credits: 4**
- COM 321 Influence Through Argument **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**
- COM 326 Freedom of Speech **Credits: 4**
- COM 327 Communication in the Legal Field **Credits: 4**
- COM 343 Communication in the Information Age **Credits: 4**
- COM 380 Environmental Communication **Credits: 4**
- COM 405 Human Communication Theory **Credits: 4**
- COM 420 Communication in Organizations **Credits: 4**
- COM 426 Language of the Mass Media **Credits: 4**
- COM 432 Music and Rhetoric **Credits: 4**
- COM 440 Relational Communication **Credits: 4**
- COM 461 Family Communication **Credits: 4**

### Message Construction Credits: 16

- COM 111Z Public Speaking **Credits: 4**
- COM 113 Social Media and Digital Advocacy **Credits: 4**
- COM 312 Public Relations Communication **Credits: 4**
- COM 313 Creating Student Media **Credits: 4**
- COM 323 Group Discussion and Leadership **Credits: 4**
- COM 324 Business and Professional Communication **Credits: 4**
- COM 340 Conflict Management **Credits: 4**

- COM 370 Communication Ethics **Credits: 4**
- COM 372 Sports Public Relations **Credits: 4**
- COM 400 Communication and Labor **Credits: 4**
- COM 410 Communication and Event Planning **Credits: 4**
- COM 415 Social Media Campaigns **Credits: 4**
- COM 422 Persuasion **Credits: 4**
- COM 436 Gender Theory and Activism **Credits: 4**
- COM 439 Contemporary U.S. Public Address **Credits: 4**
- COM 442 Communication and Social Change **Credits: 4**
- COM 450 Crisis Communication Management **Credits: 4**
- COM 451 Science Communication **Credits: 4**
- COM 455 Creating Documentary and Digital Films **Credits: 4**

### Message Analysis Credits: 16

- COM 236 Contemporary Issues in Media **Credits: 4**
- COM 328 Law and Popular Culture **Credits: 4**
- COM 331 Nonverbal Communication **Credits: 4**
- COM 335 Communication and Gender **Credits: 4**
- COM 342 Media Literacy **Credits: 4**
- COM 351 Foundations of Health Communication **Credits: 4**
- COM 360 Sport Communication **Credits: 4**
- COM 402 Rhetoric, Race, Resistance **Credits: 4**
- COM 412 Analyzing Popular Culture **Credits: 4**
- COM 416 Communication and Politics **Credits: 4**
- COM 430 Social Media and Culture **Credits: 4**
- COM 431 Nonverbal Deception Detection **Credits: 4**
- COM 435 Rhetoric of the Women's Movement **Credits: 4**
- COM 444 Global Media **Credits: 4**
- COM 446 Critical Media Analysis **Credits: 4**
- COM 462 The Dark Side of Family Communication **Credits: 4**

### Elective Credits: 8

Choose from any COM courses not used to fulfill another requirement in the major including, but not limited to:

- COM 199 Special Studies **Credits: 1-16**
- COM 399 Special Studies **Credits: 1-4**
- COM 406 Special Individual Studies **Credits: 1-4**
- COM 407 Seminar **Credits: 1-8**
- COM 408 Workshop **Credits: 1-4**

## Academic Programs

- COM 409 Internship **Credits: 1-8**

Total Credits: 60

Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Computer Science & Mathematics, B.S.

**Professors:** Cheryl Beaver, Scott Beaver, Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse, Matthew Nabity

**Associate professors:** Matthew Ciancetta, Ben Coté, Leanne Merrill, Thaddeus Shannon

**Assistant professor:** Alexandria LeClerc

### Mission

The Computer Science & Mathematics program provides students with the core concepts in both theoretical and applied aspects of mathematics and computing. Our graduates demonstrate a solid foundation in problem solving, communication, and decision-making skills in computing and mathematical areas. We prepare students for productive careers in analytical fields, and to be lifelong learners who can confidently tackle the challenges of a constantly-innovating marketplace.

### Learning Outcomes

1. Use knowledge of the design of complex computational systems to understand their operation, capabilities, and limitations.
2. Apply knowledge and demonstrate skills to design, implement, and document solutions to a wide array of computational problems.
3. Demonstrate the ability to make rigorous mathematical arguments in axiomatic and non-axiomatic systems.

### Core Courses

#### Mathematics

- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**
- MTH 253 Calculus III: Sequences and Series **Credits: 4**
- MTH 254 Multivariate Calculus **Credits: 4**
- MTH 280 Introduction to Proof **Credits: 4**
- MTH 341 Linear Algebra I **Credits: 4**

- MTH 344 Group Theory **Credits: 4**  
or MTH 311 Advanced Calculus I **Credits: 4**
- MTH 354 Applied Discrete Mathematics **Credits: 4**  
or MTH 355 Discrete Mathematics **Credits: 4**
- MTH 365 Mathematical Probability **Credits: 4**
- MTH 366 Mathematical Statistics **Credits: 4**

#### Choose One

- MTH 337 Geometry **Credits: 4**
- MTH 346 Number Theory **Credits: 4**
- MTH 441 Linear Algebra II **Credits: 4**
- Approved upper division mathematics elective (if MTH 355 is taken as the discrete mathematics option above) **Credits: 4**

#### Computer Science

- CS 161 Computer Science I **Credits: 4**
- CS 162 Computer Science II **Credits: 4**
- CS 260 Data Structures **Credits: 4**
- CS 271 Computer Organization **Credits: 4**
- CS 360 Programming Languages **Credits: 4**
- CS 361 Algorithms **Credits: 4**
- CS 364 Information Management **Credits: 4**
- CS 365 Operating Systems **Credits: 4**
- CS 366 Software - Languages and Tools **Credits: 4**
- CS 367 Software Design and Testing **Credits: 4**

#### Choose One Senior Sequence

- CS 460 Software Engineering I **Credits: 4**
    - and CS 461 Software Engineering II **Credits: 4**
    - and CS 462 Software Engineering III **Credits: 4**
- or

#### Choose 8 Credits:

- MTH 403 Mathematics Senior Capstone **Credits: 1-8**
- MTH 406 Special Topics in Mathematics **Credits: 4**

Total Credits: 92-96

#### Note:

*Computer Science/Mathematics majors must have a grade of C or better in the computer science courses and a grade of C- or better in the mathematics courses that are used to satisfy*

# Academic Programs

*the Computer Science/Mathematics major requirements.*

## Satisfactory Grade Use

Up to 12 credits of Mathematics may be fulfilled with a grade of S.

No other program requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any Computer Science courses that will be used in the program.

## Computer Science, B.A.

**Professors:** Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse

**Associate professor:** Thaddeus Shannon

## Mission

Founded in 1980, the WOU Computer Science program blends instruction of theoretical and practical aspects of computing, with an emphasis on the practical. Our graduates demonstrate a solid foundation in core concepts, problem solving and decision-making skills, preparing graduates who will be productive employees as software engineers and lifelong learners. As part of the College of Liberal Arts and Sciences, students select from a wide-variety of minors. The major and minor combination provides unique employment opportunities for our graduates.

## Learning Outcomes

1. Demonstrate expertise in software engineering practices.
2. Master software development and project management tools consistent with current industry standards.
3. Exhibit autodidactic qualities through individual studies, group projects and research opportunities.

## Core Courses

- CS 160 Survey of Computer Science **Credits: 4**
- CS 161 Computer Science I **Credits: 4**
- CS 162 Computer Science II **Credits: 4**
- CS 260 Data Structures **Credits: 4**
- CS 271 Computer Organization **Credits: 4**
- CS 360 Programming Languages **Credits: 4**
- CS 361 Algorithms **Credits: 4**
- CS 364 Information Management **Credits: 4**
- CS 365 Operating Systems **Credits: 4**
- CS 366 Software - Languages and Tools **Credits: 4**
- CS 367 Software Design and Testing **Credits: 4**

- CS 460 Software Engineering I **Credits: 4**
- CS 461 Software Engineering II **Credits: 4**
- CS 462 Software Engineering III **Credits: 4**
- CS 463 Cybersecurity and Professional Practices **Credits: 4**
- IS 278 Networks **Credits: 4**

## Mathematics

- MTH 231 Elements of Discrete Mathematics I **Credits: 4**
  - **and** MTH 232 Elements of Discrete Mathematics II **Credits: 4**
- or
- MTH 251 Calculus I **Credits: 4**
  - **and** MTH 252 Calculus II **Credits: 4**
- MTH 354 Applied Discrete Mathematics **Credits: 4**

## Intellectual and Experiential Breadth Credits: 11-12

Complement your program of study in Computer Science with one (1) of the following:

- Language Study: 11-12 credits (in an additional language or linguistics)
- Writing: 11-12 (choose at least three of the following courses: CS 340, CJ 267, WR 230, WR 300, WR 301, WR 302, WR 400, WR 402, WR 405 )
- Cultural Study: 11-12 (choose at least three of the following courses: ANTH 216, ANTH 370, ANTH 372, SSC 201, SOC 225, SOC 360, SOC 465, HST 203, HST 404, HST 405, PS 436)
- System Solutions: 11-12 (choose at least three of the following courses: CJ 444, CS 340, IS 345, IS 350, IS 355, IS 470, SOC 320, SOC 340)
- International Experience or Applied Studies Credits: 11-12 (consult with you advisor regarding possible programs and credit options, including study abroad, international field schools, practica, internships or independent research)

## Total Credits: 87-88

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

# Academic Programs

## Computer Science, B.A.S./B.S.

**Professors:** Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse

**Associate professors:** Thaddeus Shannon

### Mission

Founded in 1980, the WOU Computer Science program blends instruction of theoretical and practical aspects of computing, with an emphasis on the practical. Our graduates demonstrate a solid foundation in core concepts, problem solving and decision-making skills, preparing graduates who will be productive employees as software engineers and lifelong learners. As part of the College of Liberal Arts and Sciences, students select from a wide-variety of minors. The major and minor combination provides unique employment opportunities for our graduates.

### Learning Outcomes

1. Demonstrate expertise in software engineering practices.
2. Master software development and project management tools consistent with current industry standards.
3. Exhibit autodidactic qualities through individual studies, group projects and research opportunities.

### Core Courses

- CS 160 Survey of Computer Science **Credits: 4**
- CS 161 Computer Science I **Credits: 4**
- CS 162 Computer Science II **Credits: 4**
- CS 260 Data Structures **Credits: 4**
- CS 271 Computer Organization **Credits: 4**
- CS 360 Programming Languages **Credits: 4**
- CS 361 Algorithms **Credits: 4**
- CS 364 Information Management **Credits: 4**
- CS 365 Operating Systems **Credits: 4**
- CS 366 Software - Languages and Tools **Credits: 4**
- CS 367 Software Design and Testing **Credits: 4**
- CS 460 Software Engineering I **Credits: 4**
- CS 461 Software Engineering II **Credits: 4**
- CS 462 Software Engineering III **Credits: 4**
- CS 463 Cybersecurity and Professional Practices **Credits: 4**
- IS 278 Networks **Credits: 4**

Computer Science Elective Credits: 8

- Choose courses above CS 400, excluding CS 422, or above IS 400 or above DATA 400 or IS 370

### Mathematics

- MTH 231 Elements of Discrete Mathematics I **Credits: 4**
  - **and** MTH 232 Elements of Discrete Mathematics II **Credits: 4**
- or
- MTH 251 Calculus I **Credits: 4**
  - **and** MTH 252 Calculus II **Credits: 4**
- MTH 354 Applied Discrete Mathematics **Credits: 4**

Total Credits: 84

### Note:

Computer Science majors must have a grade of C or better in courses used to satisfy the major requirements. Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the Computer Science Division chair.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Creative Production, B.A.

**Professor:** Dirk Freymuth, Darryl Thomas

**Associate professors:** Dan Tankersley, Thaddeus Shannon, Dana Schowalter, Lars Soderlund

### Mission

Cultivate multidisciplinary, collaborative work that combines practical training in various creative technologies with the study of media theory and the impact of contemporary media and live performance on the arts and society.

### Learning Outcomes

1. Develop and apply knowledge of creative media technologies, including audio and visual hardware and software, computer networking systems, and live performance resources.
2. Articulate the cultural roles of various creative media.

## Academic Programs

3. Integrate abilities across multiple media to produce creative works.

## Core Courses

- A 326 Video & Animation I **Credits: 4**
- COM 342 Media Literacy **Credits: 4**
- CA 404 Creative Production Capstone **Credits: 4**  
Credits: 12
- ICS 113 Finding and Preparing for Internship **Credits: 2**
- MUP 300 Music Performance - Non-Juried **Credits: 2-4** Credits: 4
- WR 301 Integrating Writing and Design **Credits: 4**

## Foundations

- A 120 Beginning Digital Art & Design **Credits: 4**
- A 262 Digital Images & Photography I **Credits: 4**
- COM 211 Introduction to Mass Communication **Credits: 4**
- IS 278 Networks **Credits: 4**
- MUP 110 Music Performance - Audio Production **Credits: 2-4** Credits: 9

## Choose One

- CS 133 Introduction to Python Programming **Credits: 4**
- CS 134 Perl Programming **Credits: 4**
- CS 161 Computer Science I **Credits: 4**

## Elective Credits: 14

Choose from the following, a minimum of 10 credits must be upper division

- A 320 Graphic Design: Process & Theory **Credits: 4**
- A 321 Graphic Design: Form and Communication **Credits: 4**
- A 322 Graphic Design: Contemporary Issues **Credits: 4**
- A 323 Art & Design for the Internet **Credits: 4**
- A 324 Interactive Media: Applied **Credits: 4**
- A 327 Video & Animation II **Credits: 4**
- A 425 Interactive Media: Contemporary Issues **Credits: 4**
- A 429 Portfolio & Professional Preparation **Credits: 4**
- A 462 Digital Images & Photography II **Credits: 4**
- A 468 Art & Technology Workshop **Credits: 4**

- COM 212 Advertising and Society **Credits: 4**
- COM 236 Contemporary Issues in Media **Credits: 4**
- COM 446 Critical Media Analysis **Credits: 4**
- CS 127 Introduction to Multimedia Programming **Credits: 4**
- CS 135 JavaScript **Credits: 4**
- CS 195 Fundamentals of Web Design **Credits: 4**
- D 451 Dance Production **Credits: 3**  
and D 451L Dance Production Lab **Credits: 1**
- D 460 Dance and Technology **Credits: 3**
- MUP 300 Music Performance - Non-Juried **Credits: 2-4**
- MUS 380 Recording Session Preparation for Performing Musicians **Credits: 3**
- MUS 381 Introduction to Audio Production **Credits: 3**
- MUS 382 Digital Music Production **Credits: 3**
- MUS 383 Advanced Music Production **Credits: 3**
- MUS 421 Music Media Production I **Credits: 3**
- MUS 422 Music Media Production II **Credits: 3**
- MUS 423 Music Media Production III **Credits: 3**
- TA 112 Introduction to Film **Credits: 3**
- TA 245 Technical Theatre: Lighting & Sound **Credits: 3**
- TA 330 Script Writing **Credits: 4**
- TA 348 Lighting Design **Credits: 4**
- TA 370 Acting For The Camera **Credits: 4**
- WR 401 Writing Across Media **Credits: 4**

**Total Credits: 73**

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Criminal Justice, B.A.S.

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel  
**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl

## Mission

Provide students with a high-quality liberal arts education in the interdisciplinary field of criminal justice. Maintain a network of local, state, federal and academic institutions through outreach and research. Criminal Justice majors are prepared to engage in civic endeavors and to assume field positions in criminal justice and social service agencies or enter graduate programs.

# Academic Programs

## Learning Outcomes

1. Explain and analyze the role of each component of the criminal justice field and how they relate to each other.
2. Analyze and articulate the multitude of issues, theories, policies, practices and current challenges related to the ethical administration of justice in a free society.
3. Apply basic theories and practices in real world contexts.
4. Analyze and articulate the impact of race and other forms of societal marginalization on the fair application of justice in a diverse society.

## Core Courses

- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 214 The Juvenile Justice System **Credits: 4**
- CJ 219 Ethics and Leadership in Criminal Justice **Credits: 4**
- CJ 252 American Courts **Credits: 4**
- CJ 267 Social Research Writing **Credits: 4**
- CJ 310 Report Writing **Credits: 4**
- CJ 321 Principles of Forensic Investigations **Credits: 4**
- CJ 327 Research Methods in Criminal Justice **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**
- CJ 352 Criminal Law **Credits: 4**
- CJ 407 Senior Capstone Seminar **Credits: 4**
- CJ 409 Practicum **Credits: 4-8 Credits: 4**
- CJ 425 Program Evaluation/Participation **Credits: 4**
- CJ 427 Quantitative Methods in Criminal Justice **Credits: 4**
- CJ 444 Restorative Justice **Credits: 4**
- CJ 445 Race and Justice **Credits: 4**
- CJ 446 Cultural Competency and American Law Enforcement **Credits: 4**
- CJ 450 Criminology **Credits: 4**
- CJ 453 Corrections **Credits: 4**

Total Credits: 76

### Note:

Criminal Justice majors normally complete a practicum as part of their degree. Students must have an overall GPA of 2.67 in order to participate in a practicum. Students who do not have a GPA of 2.67 by their senior year, must either petition to partake

in a practicum, or, in consultation with their faculty adviser, select classes that will be substituted for their practicum credits.

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Criminal Justice, B.S.

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel  
**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl

## Mission

Provide students with a high-quality liberal arts education in the interdisciplinary field of criminal justice. Maintain a network of local, state, federal and academic institutions through outreach and research. Criminal Justice majors are prepared to engage in civic endeavors and to assume field positions in criminal justice and social service agencies or enter graduate programs.

## Learning Outcomes

1. Explain and analyze the role of each component of the criminal justice field and how they relate to each other.
2. Analyze and articulate the multitude of issues, theories, policies, practices and current challenges related to the ethical administration of justice in a free society.
3. Apply basic theories and practices in real world contexts.
4. Analyze and articulate the impact of race and other forms of societal marginalization on the fair application of justice in a diverse society

## Core Courses

- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 214 The Juvenile Justice System **Credits: 4**
- CJ 219 Ethics and Leadership in Criminal Justice **Credits: 4**
- CJ 252 American Courts **Credits: 4**
- CJ 267 Social Research Writing **Credits: 4**
- CJ 327 Research Methods in Criminal Justice **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**

## Academic Programs

- CJ 427 Quantitative Methods in Criminal Justice **Credits: 4**
- CJ 445 Race and Justice **Credits: 4**
- CJ 450 Criminology **Credits: 4**
- CJ 453 Corrections **Credits: 4**
- CJ 407 Senior Capstone Seminar **Credits: 4**
- CJ 409 Practicum **Credits: 4-8** Credits: 4

### Choose One

Choose one of the following options to complete your degree:

#### Option 1: Elective Credits: 20

Select 20 upper division credits from Criminal Justice electives, Cybercrime Investigations and Enforcement (CIE) electives, or any combination of Social Science courses. This may include an additional 4 credits of CJ 409.

Students not pursuing a concentration and electing to take a minor within Criminal Justice cannot count these courses in their minor requirements. Students pursuing a concentration may not also pursue a minor in their chosen concentration.

#### Option 2: Choose One Concentration

- Corrections Concentration
- Forensic Anthropology Concentration
- Homeland Security and Community Preparedness Concentration
- Juvenile Justice Concentration
- Law Enforcement Concentration

Total Credits: 72

### Corrections Concentration

#### Core Courses

#### Choose Five

- CJ 310 Report Writing **Credits: 4**
- CJ 311 Community-Oriented Crime Prevention **Credits: 4**
- CJ 344 Comparative Juvenile Justice Systems **Credits: 4**
- CJ 345 Justice Systems Across Cultures **Credits: 4**
- CJ 435 Gender, Crime and Justice **Credits: 4**
- CJ 436 Minorities, Crime, Social Policy and Social Control **Credits: 4**

- CJ 438 Native Americans, Culture and the Criminal Justice System **Credits: 4**
- CJ 444 Restorative Justice **Credits: 4**
- CJ 449 Youth Gangs in American Society **Credits: 4**
- CJ 452 Criminal Procedure **Credits: 4**
- CJ 454 Parole and Probation **Credits: 4**
- CJ 455 Correctional Casework and Counseling **Credits: 4**
- CJ 457 Motivational Interviewing: Helping People Change **Credits: 4**

Total Credits: 20

### Forensic Anthropology Concentration

#### Core Courses

#### Choose Five

- CJ 321 Principles of Forensic Investigations **Credits: 4**
- CJ 322 Forensic Anthropology **Credits: 4**  
or ANTH 322 Forensic Anthropology **Credits: 4**
- CJ 328 Forensic Osteology **Credits: 4**  
or ANTH 328 Forensic Osteology **Credits: 4**
- CJ 415 Forensics in the Media **Credits: 4**
- CJ 443 Advanced Forensic Anthropology **Credits: 4**  
or ANTH 443 Advanced Forensic Anthropology **Credits: 4**

Total Credits: 20

### Homeland Security and Community Preparedness Concentration

#### Core Courses

#### Choose Five

- CJ 220 Introduction to Homeland Security **Credits: 4**
- CJ 320 Operations Administration in Homeland Security Practices **Credits: 4**
- CJ 420 Leadership in Homeland Security **Credits: 4**
- CJ 421 Policy Analysis in Criminal Justice **Credits: 4**
- CJ 425 Program Evaluation/Participation **Credits: 4**
- CJ 437 Comparative International Homeland Security Programs **Credits: 4**



## Academic Programs

- CJ 438 Native Americans, Culture and the Criminal Justice System **Credits: 4**

Total Credits: 20

### Juvenile Justice Concentration

#### Core Courses

#### Choose Five

- CJ 311 Community-Oriented Crime Prevention **Credits: 4**
- CJ 344 Comparative Juvenile Justice Systems **Credits: 4**
- CJ 345 Justice Systems Across Cultures **Credits: 4**
- CJ 411 Families and Youth Crime **Credits: 4**
- CJ 444 Restorative Justice **Credits: 4**
- CJ 449 Youth Gangs in American Society **Credits: 4**
- CJ 451 Youth, Crime and Society **Credits: 4**
- CJ 461 Youth Immigration and Crime **Credits: 4**
- CJ 463 Topics on Juvenile Issues **Credits: 4**

Total Credits: 20

### Law Enforcement Concentration

#### Core Courses

#### Choose Five

- CJ 310 Report Writing **Credits: 4**
- CJ 351 Police Organization & Administration **Credits: 4**
- CJ 423 Management of Law Enforcement Organizations **Credits: 4**
- CJ 436 Minorities, Crime, Social Policy and Social Control **Credits: 4**
- CJ 446 Cultural Competency and American Law Enforcement **Credits: 4**
- CJ 456 Contemporary Issues in Criminal Justice **Credits: 4**

Total Credits: 20

Note:

Criminal Justice majors normally complete a practicum as part of their degree. Students must have an overall GPA of 2.67 in order to participate in a practicum. Students who do not have a GPA of 2.67 by their senior year, must either petition to partake in a practicum, or, in consultation with their faculty adviser, select upper division Criminal Justice classes that will be substituted for their practicum credits.

#### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

### Cybercrime, Investigation and Enforcement, B.S.

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel  
**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl  
**Coordinator:** Mari Sakiyama

#### Mission

Provide students with essential conceptual knowledge and skills to prevent, investigate, and enforce cybercrimes and cyberthreats. This program combines elements of law enforcement, computer investigative, legal, and security skills, forensics, and other related fields in the study of crime prevention and response to various crimes occurring in the cyber world. Graduates of the program will be well prepared for traditional and emerging positions related to prevention, investigation, and enforcement of crime generally, and cyber-related crimes more specifically.

### Program Learning Outcomes

In this program, students will be able to:

1. Gain conceptual knowledge and technological skills necessary in the detection, investigation, and enforcement of cybercrimes
2. Understand the multitude of issues, theories, ethics, policies, practices, and current challenges related to the control of cybercrime
3. Develop an understanding of how traditional criminal justice theories, practices, and policies, and cybersecurity tools, techniques and technologies apply to the control of cybercrime

#### Core Courses

#### Criminal Justice

## Academic Programs

- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**
- CJ 352 Criminal Law **Credits: 4**
- CJ 452 Criminal Procedure **Credits: 4**

## Cybercrime Investigation and Enforcement

- CIE 213 Introduction to Cybercrime **Credits: 4**
- CIE 305 Ethics in Cybercrime Investigation and Enforcement **Credits: 4**
- CIE 321 Principles of Cyber Forensic Investigations **Credits: 4**
- CIE 407 Capstone Seminar in Cybercrime Investigation and Enforcement **Credits: 4**
- CIE 409 Cybercrime Investigation and Enforcement Practicum **Credits: 4**
- CIE 425 Contemporary Issues on Cybercrime and Cybersecurity **Credits: 4**

## Information Systems

- IS 283 Cybersecurity Fundamentals for Criminal Investigation **Credits: 4**
- IS 373 Computer Security for Criminal Investigation **Credits: 4**
- IS 473 Network Security for Criminal Investigation **Credits: 4**
- IS 474 Ethical Hacking for Criminal Investigation **Credits: 4**

## Elective Credits: 16

Additionally, select 16 upper division credits from CJ, CIE or IS. This may include an additional 4 credits of CIE 409.

## Total Credits: 72

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Dance, B.A.

**Professors:** Timothy Cowart, Darryl Thomas

## Mission

Offers students opportunities to develop knowledge, skills, understanding and appreciation of dance as an art form that can enrich and inform the quality of life. The B.A. degree in Dance includes academic courses, performance opportunities and choreographic experiences geared entirely for the undergraduate student seeking a career in dance or a dance-related field.

## Learning Outcomes

1. Demonstrate a significant body of theoretical, cultural and historical knowledge pertaining to the field of dance.
2. Integrate and independently apply dance skills, abilities, theories and/or methodologies.
3. Connect ideas, synthesize techniques and transfer that knowledge into current dance practices.

## Core Courses

- D 240 Wellness for Dancers **Credits: 3**
- D 260 Dance Improvisation **Credits: 3**
- D 340 Conditioning for Dancers **Credits: 2**
- D 351 Dance Composition I **Credits: 3**
- D 352 Dance Composition II **Credits: 3**
- D 390 Kinesiology for Dance **Credits: 3**
- D 451 Dance Production **Credits: 3**
- D 451L Dance Production Lab **Credits: 1**
- D 455 Advanced Choreography **Credits: 3**
- D 491 Creative Dance for Children **Credits: 3**
- D 494 Dance Teaching Methods **Credits: 3**

## Choose Two

- D 252 Latin Dances Around The World **Credits: 3**
- D 453 Ballet History **Credits: 3**
- D 454 Evolution of Modern Dance **Credits: 3**

## Dance Technique

- D 270 Dance Partnering **Credits: 2**

## Choose Six

- D 280 Intermediate Modern Dance - 1 **Credits: 2**
- D 281 Intermediate Modern Dance - 2 **Credits: 2**
- D 282 Intermediate Modern Dance - 3 **Credits: 2**
- D 380 Pre-Advanced Modern Dance - 1 **Credits: 2**

## Academic Programs

- D 381 Pre-Advanced Modern Dance - 2 **Credits: 2**
- D 382 Pre-Advanced Modern Dance - 3 **Credits: 2**
- D 480 Advanced Modern Dance - 1 **Credits: 2**
- D 481 Advanced Modern Dance - 2 **Credits: 2**
- D 482 Advanced Modern Dance - 3 **Credits: 2**

### Choose Five

- D 285 Intermediate Ballet - 1 **Credits: 2**
- D 286 Intermediate Ballet - 2 **Credits: 2**
- D 287 Intermediate Ballet - 3 **Credits: 2**
- D 385 Pre-Advanced Ballet - 1 **Credits: 2**
- D 386 Pre-Advanced Ballet - 2 **Credits: 2**
- D 387 Pre-Advanced Ballet - 3 **Credits: 2**
- D 485 Advanced Ballet - 1 **Credits: 2**
- D 486 Advanced Ballet - 2 **Credits: 2**
- D 487 Advanced Ballet - 3 **Credits: 2**

### Choose Four

- D 277 Intermediate Hip-Hop - 1 **Credits: 2**
- D 278 Intermediate Hip-Hop - 2 **Credits: 2**
- D 279 Intermediate Hip-Hop - 3 **Credits: 2**
- D 288 Intermediate Jazz Dance - 1 **Credits: 2**
- D 289 Intermediate Jazz Dance - 2 **Credits: 2**
- D 290 Intermediate Jazz Dance - 3 **Credits: 2**

### Choose One Concentration (Optional)

- Dance Education and Studio Management Concentration
- Dance Film and Technology Concentration
- Dance Performance and Choreography Concentration

Total Credits: 68-80

## Dance Education and Studio Management Concentration

**Advisers:** Timothy Cowart, Cynthia Gutierrez-Garner, Amy McDonnell, Darryl Thomas

### Core Courses

- D 300 Human Movement Analysis **Credits: 3**
- D 320 Dance Studio Management **Credits: 3**

- D 406 Independent Studies in Dance **Credits: 1-3** Credits: 3
- D 409 Internship **Credits: 1-3** Credits: 3

Total Credits: 12

## Dance Film and Technology Concentration

**Advisers:** Timothy Cowart, Cynthia Gutierrez-Garner, Amy McDonnell, Darryl Thomas

### Core Courses

- D 406 Independent Studies in Dance **Credits: 1-3** Credits: 3
- D 409 Internship **Credits: 1-3** Credits: 3
- D 456 Choreography for the Camera **Credits: 3**
- D 460 Dance and Technology **Credits: 3**

## Dance Performance and Choreography Concentration

**Advisers:** Timothy Cowart, Cynthia Gutierrez-Garner, Amy McDonnell, Darryl Thomas

### Core Courses

- D 300 Human Movement Analysis **Credits: 3**
- D 399 Special Studies: Dance Concert and/or Musical **Credits: 1-3** Credits: 3
- D 406 Independent Studies in Dance **Credits: 1-3** Credits: 3
- D 409 Internship **Credits: 1-3** Credits: 3

Total Credits: 12

Total Credits: 12

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Data Analytics, B.A.S./B.S.

**Professors:** Cheryl Beaver, Scott Beaver, Hamid Behmard,

## Academic Programs

Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse  
**Associate professors:** Matthew Ciancetta, Ben Coté, Leanne Merrill, Matthew Nabity, Thaddeus Shannon

The Data Analytics program prepares students to thrive in the constantly evolving field of working with big data. The field is interdisciplinary by nature and is built on a foundation of Mathematics, Computer Science, Information Systems and Data Analytics courses. This program emphasizes the applied practice of data analytics techniques for solving problems in the real world.

## Learning Outcomes

1. Use relevant technology for the analysis of large, complex, or messy data sets to design, implement, and evaluate analytics-based solutions.
2. Use quantitative information in connection with the argument or purpose of the work, presents it in an effective format, and explicates it with consistently high quality.
3. Collect, analyze and assess evidence to reach informed conclusions and judgments.

## Core Courses

### Mathematics

- MTH 231 Elements of Discrete Mathematics I **Credits: 4**  
or MTH 251 Calculus I **Credits: 4**  
or BA 240 Quantitative Business Methods **Credits: 4**
- BA 243 Business Statistics **Credits: 4**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- MTH 244 Introduction to Probability and Statistics II **Credits: 4**  
or BA 367 Regression Analysis **Credits: 3**  
or BI 343 Analysis of Biological Data **Credits: 4**
- MTH 308 Computational Linear Algebra **Credits: 4**  
or BA 368 Introduction to Operations Research **Credits: 3**

### Computer Science

- CS 133 Introduction to Python Programming **Credits: 4**
- CS 436 Dynamic Systems Simulation **Credits: 4**

### Information Systems

- IS 240 Information Management I **Credits: 4**
- IS 301 Information Systems Automation **Credits: 4**

- IS 340 Information Management II **Credits: 4**  
or IS 345 Systems Analysis **Credits: 4**

## Data Analytics

- DATA 101 Foundations of Data Analytics **Credits: 4**  
or BA 131 Introduction to Business Computing **Credits: 3**
- DATA 432 Introduction to Data Analytics **Credits: 4**
- DATA 434 Data Visualization **Credits: 4**
- DATA 436 Learning from Data **Credits: 4**
- DATA 438 Analysis of Social and Economic Networks **Credits: 4**

## Choose One Concentration

- DA: Business Concentration
- DA: Geographic Information Systems Concentration
- DA: Politics and Governance Concentration
- General Data Analytics Concentration

## Total Credits 81-92

### Note

Data Analytics students must have a grade of C or better in courses that are used to satisfy the major requirements. Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the computer science division chair.

## DA: Business Concentration

### Core Courses

- BA 211 Financial Accounting **Credits: 4**
- BA 213 Managerial Accounting **Credits: 4**
- BA 315 Financial Management **Credits: 3**
- BA 325 Portfolio Management **Credits: 3**
- BA 340 Business Forecasting **Credits: 4**
- BA 345 Digital Marketing **Credits: 4**
- BA 490 Operations Management **Credits: 3**

## Capstone Project

- DATA 472 Data Analytics Project Development **Credits: 4**  
or IS 470 Project Management **Credits: 4**

## Academic Programs

- DATA 473 Data Analytics Project Deployment **Credits: 4**  
or IS 475 Project Implementation **Credits: 4**
  - and IS 475L Lab: Project Implementation **Credits: 0**

Total Credits: 33

### DA: Geographic Information Systems Concentration

#### Core Courses

#### Geographic Information Systems

- ES 340 Geospatial Techniques **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 343 Remote Sensing **Credits: 4**

#### Capstone Project

- DATA 471 Advanced Techniques for Data Analytics **Credits: 4**
- DATA 473 Data Analytics Project Deployment **Credits: 4**  
or IS 475 Project Implementation **Credits: 4**
- ES 492 Advanced GIS Applications in Earth Science **Credits: 4**

Total Credits: 28

#### Note

Data Analytics Geographic Information Systems Concentration majors must have a grade of C or better in courses that are used to satisfy the major requirements. Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the Computer Science division chair.

Students completing the GIS Concentration are not eligible for the GIS Certificate program.

### DA: Politics and Governance Concentration

#### Core Courses

- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 350 Introduction to Public Policy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**

#### Choose Two

- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**
- PS 414 Political Parties, Pressure Groups and Elections **Credits: 4**
- PS 445 Introduction to Policy Analysis **Credits: 4**
- PS 454 Public Personnel Administration **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 466 Governmental Budgeting **Credits: 4**
- PS 480 Administrative Law **Credits: 4**

#### Capstone Project

- DATA 472 Data Analytics Project Development **Credits: 4**  
or IS 470 Project Management **Credits: 4**
- DATA 473 Data Analytics Project Deployment **Credits: 4**  
or IS 475 Project Implementation **Credits: 4**
  - and IS 475L Lab: Project Implementation **Credits: 0**

Total Credits: 32-36

### General Data Analytics Concentration

#### Core Courses

#### Elective Credits: 16

16 credits of division electives in DATA, IS, MTH, or CS, at least 12 credits must be upper-division.

#### Capstone Project

- DATA 471 Advanced Techniques for Data Analytics **Credits: 4**
- DATA 472 Data Analytics Project Development **Credits: 4**  
or IS 470 Project Management **Credits: 4**
- DATA 473 Data Analytics Project Deployment **Credits: 4**

## Academic Programs

or IS 475 Project Implementation **Credits: 4**

**Total Credits: 28**

### Note

#### Data Analytics General Data

Analytics Concentration majors must have a grade of C or better in courses that are used to satisfy the major requirements. Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the Computer Science division chair.

### Satisfactory Grade Use

Only Earth Science (ES) courses used in the DA: Geographic Information Systems Concentration and DATA 101

Foundations of Data Analytics may be fulfilled with a grade of S.

No other program requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any other courses that will be used in the program.

## Earth and Environmental Science, B.A.

**Professors:** Jeffrey Myers, Stephen Taylor, Jeffrey Templeton

**Assistant professor:** David Szpakowski

### Mission

The Earth Science program provides a liberal arts education in geoscience with an emphasis on scientific methods, problem solving and interdisciplinary science education. A key objective of the program is to prepare undergraduates for careers as professional geoscientists and educators. The program also promotes the development of an informed citizenry for wise decision-making on issues related to natural resources, environmental quality and sustainability in Oregon and beyond.

### Learning Outcomes

1. Demonstrate knowledge of the physical, chemical and biological processes operating in the Earth system.
2. Apply technology-based methods to solve geologic problems and communicate results.
3. Conduct scientific investigations in laboratory and field settings.

### Core Courses

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- CH 104 Chemistry and the Environment **Credits: 4**

- ES 301 Earth Materials **Credits: 4**
- ES 340 Geospatial Techniques **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- ES 491 Sedimentary Systems I **Credits: 4**
- ES 497 Senior Seminar **Credits: 2**
- MTH 110 Applied College Mathematics **Credits: 4**

### Choose Three Fundamental Earth and Environmental Science Courses

- ES 104 Exploring the Physical Earth **Credits: 4**
- ES 105 Discoveries in Earth Science **Credits: 4**
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4**
- ES 201 Principles of Geology **Credits: 4**
- ES 202 Principles of Geology **Credits: 4**
- ES 203 Principles of Geology **Credits: 4**

### Choose Five Upper Division Earth Science Courses

- ES 302 Quantitative Methods **Credits: 3**
- ES 321 Structural Geology **Credits: 4**
- ES 322 Geomorphology and Aerial Photo Interpretation **Credits: 4**
- ES 331 Introduction to Oceanography **Credits: 3**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 343 Remote Sensing **Credits: 4**
- ES 354 Geology of Earthquakes **Credits: 4**
- ES 450 Petrology **Credits: 4**
- ES 453 Geology of the Pacific Northwest **Credits: 4**
- ES 454 Volcanology **Credits: 4**
- ES 486 Petroleum Geology **Credits: 4**
- ES 492 Advanced GIS Applications in Earth Science **Credits: 4**
- ES 493 Sedimentary Systems II **Credits: 4**

### Choose Two Upper Division Environmental Science Courses

- BI 370 Humans and the Environment **Credits: 4**
- BI 461 Conservation Biology **Credits: 4**
- ES 324 Living With Earthquakes and Volcanoes **Credits: 4**
- ES 360 Earth Resources and the Environment **Credits: 4**
- ES 390 Basic Meteorology **Credits: 3**

## Academic Programs

- ES 420 Medical Geology **Credits: 4**
- ES 470 River Environments of Oregon **Credits: 4**
- ES 476 Hydrology **Credits: 4**
- SUST 321 Field Geography **Credits: 4**
- SUST 370 Energy, Environment and Society **Credits: 4**
- SUST 380 Environmental Conservation **Credits: 4**
- SUST 390 Global Climate Change **Credits: 4**

Total Credits: 67-70

### Note:

Completion of the B.A. in Earth and Environmental Science qualifies graduates to begin the process of professional licensure as registered geologists in the state of Oregon. Students should confer with their advisor for specific coursework that best fits their career objectives.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Earth and Environmental Science, B.S.

**Professors:** Jeffrey Myers, Stephen Taylor, Jeffrey Templeton  
**Assistant professor:** David Szpakowski

### Mission

The Earth Science program provides a liberal arts education in geoscience with an emphasis on scientific methods, problem solving and interdisciplinary science education. A key objective of the program is to prepare undergraduates for careers as professional geoscientists and educators. The program also promotes the development of an informed citizenry for wise decision-making on issues related to natural resources, environmental quality and sustainability in Oregon and beyond.

### Learning Outcomes

1. Demonstrate knowledge of the physical, chemical and biological processes operating in the Earth system.
2. Apply technology-based methods to solve geologic problems and communicate results.
3. Conduct scientific investigations in laboratory and field settings.

### Core Courses

- ES 301 Earth Materials **Credits: 4**
- ES 302 Quantitative Methods **Credits: 3**

- ES 321 Structural Geology **Credits: 4**
- ES 322 Geomorphology and Aerial Photo Interpretation **Credits: 4**
- ES 340 Geospatial Techniques **Credits: 4**
- ES 491 Sedimentary Systems I **Credits: 4**
- ES 497 Senior Seminar **Credits: 2**

### Choose Three Fundamental Earth and Environmental Science Courses

- ES 104 Exploring the Physical Earth **Credits: 4**
- ES 105 Discoveries in Earth Science **Credits: 4**
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4**
- ES 201 Principles of Geology **Credits: 4**
- ES 202 Principles of Geology **Credits: 4**
- ES 203 Principles of Geology **Credits: 4**

### If not pursuing Pre-Graduate Studies concentration also complete:

Not required for students pursuing the Pre-Graduate Studies Concentration.

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- CH 104 Chemistry and the Environment **Credits: 4**
- MTH 111Z Precalculus I: Functions **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Choose Four Upper-Division Earth Science Courses

- ES 331 Introduction to Oceanography **Credits: 3**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 343 Remote Sensing **Credits: 4**
- ES 354 Geology of Earthquakes **Credits: 4**
- ES 450 Petrology **Credits: 4**
- ES 453 Geology of the Pacific Northwest **Credits: 4**
- ES 454 Volcanology **Credits: 4**
- ES 486 Petroleum Geology **Credits: 4**
- ES 492 Advanced GIS Applications in Earth Science **Credits: 4**
- ES 493 Sedimentary Systems II **Credits: 4**

### Choose Two Upper-Division Environmental Science Courses

## Academic Programs

- BI 370 Humans and the Environment **Credits: 4**
- BI 461 Conservation Biology **Credits: 4**
- ES 324 Living With Earthquakes and Volcanoes **Credits: 4**
- ES 360 Earth Resources and the Environment **Credits: 4**
- ES 390 Basic Meteorology **Credits: 3**
- ES 420 Medical Geology **Credits: 4**
- ES 470 River Environments of Oregon **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- ES 476 Hydrology **Credits: 4**
- SUST 321 Field Geography **Credits: 4**
- SUST 370 Energy, Environment and Society **Credits: 4**
- SUST 380 Environmental Conservation **Credits: 4**
- SUST 390 Global Climate Change **Credits: 4**

### Concentration (Optional)

- Pre-Graduate Studies Concentration

Total Credits: 75-108

Note:

Completion of the B.S. in Earth and Environmental Science qualifies graduates to begin the process of professional licensure as registered geologists in the state of Oregon. Students should confer with their advisor for specific coursework that best fits their career objectives.

### Pre-Graduate Studies Concentration

#### Core Courses

- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 450 Petrology **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- ES 493 Sedimentary Systems II **Credits: 4**
- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**

### Choose One Physics Sequence

- PH 201 General Physics **Credits: 4**

- **and** PH 202 General Physics **Credits: 4**
- **and** PH 203 General Physics **Credits: 4**
- or PH 211 General Physics with Calculus **Credits: 4**
- **and** PH 212 General Physics with Calculus **Credits: 4**
- **and** PH 213 General Physics with Calculus **Credits: 4**

### Choose Four Upper-Division Earth Science Electives

- ES 343 Remote Sensing **Credits: 4**
- ES 354 Geology of Earthquakes **Credits: 4**
- ES 360 Earth Resources and the Environment **Credits: 4**
- ES 453 Geology of the Pacific Northwest **Credits: 4**
- ES 454 Volcanology **Credits: 4**
- ES 470 River Environments of Oregon **Credits: 4**
- ES 476 Hydrology **Credits: 4**
- ES 486 Petroleum Geology **Credits: 4**
- ES 492 Advanced GIS Applications in Earth Science **Credits: 4**

Total Credits: 70-71

Note:

To pursue graduate studies in geoscience, students may need to complete an additional 4- to 6-credit field geology course, depending on chosen program at host graduate institution. Students should confer with their advisor for specific electives that best fits their graduate school objectives.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Economics & Mathematics, B.S.

**Professors:** Cheryl Beaver, Scott Beaver, Matthew Nabity, Zenon Zygmunt

**Associate professors:** Matthew Ciancetta, Ben Coté, Bojan Ilievski, Leanne Merrill

### Mission

Provides students with a solid foundation in the mathematical disciplines necessary to develop a deeper understanding of domestic and international economic and social problems. The program aims to prepare a student to enter directly into the business sector equipped with skills that are in high demand.



# Academic Programs

## Learning Outcomes

1. Demonstrate the effective use of mathematical skills to solve quantitative problems from a wide array of authentic contexts.
2. Apply relevant theoretical models to explore microeconomic and macroeconomic issues.
3. Demonstrate effective communications of economic and mathematical concepts.

## Economics & Mathematics, B.S.

### Core Courses

#### Economics

- EC 201 Introduction to Microeconomics **Credits: 4**
- EC 202 Introduction to Macroeconomics **Credits: 4**
- EC 311 Intermediate Microeconomics I **Credits: 4**
- EC 312 Intermediate Microeconomics II **Credits: 4**
- EC 313 Intermediate Macroeconomics **Credits: 4**
- EC 315 Econometric Analysis and Report Writing **Credits: 4**

#### Mathematics

- MTH 251 Calculus I **Credits: 4 \***
- MTH 252 Calculus II **Credits: 4**
- MTH 254 Multivariate Calculus **Credits: 4**
- MTH 280 Introduction to Proof **Credits: 4**
- MTH 341 Linear Algebra I **Credits: 4**
- MTH 365 Mathematical Probability **Credits: 4**
- MTH 366 Mathematical Statistics **Credits: 4**

#### Economics Elective Credits: 8

- Approved upper-division Economics electives

#### Choose Two Mathematics Electives

- MTH 314 Differential Equations **Credits: 4**
- MTH 351 Introduction to Numerical Analysis **Credits: 4**
- MTH 354 Applied Discrete Mathematics **Credits: 4**
- MTH 358 Mathematical Modeling **Credits: 4**
- MTH 363 Operations Research **Credits: 4**

#### Economics/Mathematics Capstone Project

- EC 413 Economics and Mathematics Capstone I **Credits: 2**  
or MTH 413 Economics and Mathematics Capstone I **Credits: 2**
- EC 414 Economics and Mathematics Capstone II **Credits: 2**  
or MTH 414 Economics and Mathematics Capstone II **Credits: 2**

Total Credits: 72

Note:

\*MTH 112Z is the prerequisite for MTH 251.

Economics & Mathematics majors must have a grade of C- or better in courses that are used to satisfy the major requirements.

### Satisfactory Grade Use

Up to 12 credits of Mathematics may be fulfilled with a grade of S.  
Economics course requirements may be fulfilled with a grade of S.

## Economics, B.A.S./B.S.

**Professors:** Zenon Zygmunt  
**Associate professor:** Bojan Ilievski

### Mission

Trains students in the tools of the discipline and encourages them to apply that knowledge to domestic and international economic and social problems. Introductory and intermediate courses in macroeconomics and microeconomics, a course in econometrics and report writing, as well as additional upper division electives in various economic specialties will prepare students for career goals.

### Learning Outcomes:

1. Apply relevant theoretical models to explore microeconomic and macroeconomic issues.
2. Demonstrate quantitative literacy in the context of economic behavior.
3. Use appropriate writing methods to effectively communicate economic concepts.

### Core Courses

- EC 201 Introduction to Microeconomics **Credits: 4**

## Academic Programs

- EC 202 Introduction to Macroeconomics **Credits: 4**
- EC 311 Intermediate Microeconomics I **Credits: 4**
- EC 312 Intermediate Microeconomics II **Credits: 4**
- EC 313 Intermediate Macroeconomics **Credits: 4**
- EC 315 Econometric Analysis and Report Writing **Credits: 4**
- MTH 110 Applied College Mathematics **Credits: 4**  
or MTH 111Z Precalculus I: Functions **Credits: 4**

### Choose One

- BA 243 Business Statistics **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Upper Division Economics Credits: 20

Upper Division Economics Courses.

### Electives Credits: 8

Electives may be lower division courses and courses from other departments and divisions, but they must be approved by an Economics Department adviser.

### Total Credits: 60

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Education Studies (Non-Licensure), B.S.

**Coordinator:** Dana Ulveland

## Mission

Prepare those students interested in a career in the field of education but not necessarily classroom teaching. This non-licensure program prepares individuals for positions requiring expertise in formal and non-formal learning and educational settings that do not require licensure. Provides students with a solid liberal arts foundation along with a strong background in educational theory and practice.

## Learning Outcomes

1. Develop an understanding of educational policies, structures and practices and the institutions and contextual factors that influence them.

2. Develop pedagogical knowledge, expertise in culturally and linguistically responsive practice and skill in innovative uses of technology.
3. Become a reflective, dynamic and educational leader.

## Major Includes Coursework in Four Areas:

- Content area focus outside of education (15)
- Educational Foundations (18)
- Educational Methods (24-29)
- Field Experience and Reflective Practice (6)

## Core Courses

### Content Area Focus Outside of Education Credits: 15

Choose a minimum of 15 credits from one academic area outside of Education. Courses must be approved by an Education academic adviser.

## Educational Foundations

- ED 200 Foundations of Education **Credits: 3**  
or ED 220 Introduction to Early Childhood Education **Credits: 3**
- ED 230 Children's Literature in Diverse Classrooms **Credits: 3**  
or ED 240 Young Adult Literature in Diverse Classrooms **Credits: 3**
- ED 231 Typical & Atypical Development **Credits: 3**  
or ED 233 Applied Adolescent Learning and Development **Credits: 3**  
or ED 242 Applied Children's Learning and Development **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**
- ED 421 Technology Integration **Credits: 3**  
or ED 466 Technology in Inclusive Early Childhood Environments **Credits: 3**

### Educational Method Credits: 24-29

### Choose Four

## Academic Programs

- ARE 433 Art Education **Credits: 3**  
and MUE 318 Music for the Classroom Teacher **Credits: 3**
- EXS 433 Physical Education in the Elementary School **Credits: 4**  
and HE 351 School Health Programs Elementary **Credits: 4**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**  
and LING 314 Language Study for Elementary/Middle Teachers **Credits: 4**
- ED 325 Elementary Science Methods **Credits: 3**  
and GS 325 Learning Science Through Scientific Practices **Credits: 3**
- ED 353 Elementary Mathematics Methods **Credits: 3**  
and MTH 396 Elementary Problem Solving **Credits: 3**
- ED 352 Elementary Social Studies Methods **Credits: 3**  
and PS 375 Scope and Methods of Political Science **Credits: 4**
- HST 301 Introduction to Historical Research **Credits: 4**  
*This course would be beneficial to educators in part because of its focus on analysis of primary sources appropriate for course content.*  
and SOC 390 Critique of Education and Critical Pedagogy **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**  
and ED 483 Culture, Community and the ESOL/Bilingual Classroom **Credits: 3**  
and SOC 327 Social Research Methods **Credits: 4**

### Field Experience and Reflective Practice

- ED 407 Seminar **Credits: 1-15** Credits: 3
- ED 409 Practicum **Credits: 1-12** Credits: 3

Total Credits: 63-68

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Education, Early Childhood Studies, B.A.S./B.S.

**Associate professors:** Ya-fang Cheng, Andrea Emerson,

Cindy Ryan, Katrina Hovey  
**Assistant professors:** Shari Hopkins

## Mission

Prepares skilled and reflective early childhood practitioners who can effectively respond to the unique learning needs of diverse young children and their families. The Early Childhood Studies program is grounded in the principles of educational equity and inclusion, social justice, reflective practice, and the development of diverse leaders in the field of early childhood. We are committed to facilitating the learning and development of our early childhood practitioners who, in turn, will successfully affect the learning and development of diverse young children from birth to 8 years.

## Learning Outcomes

1. Develop reflective early childhood professionals who are advocates for young children and their families.
2. Create an inclusive climate where diversity is valued.
3. Demonstrate evidence of appropriate knowledge, skills and dispositions needed to provide quality care of early education for all young children (birth-8yrs.) and their families.

This major prepares students to work in inclusive early childhood settings (including Head Start, child care, preschool and K-4 elementary schools).

## Education, Early Childhood Studies (Non-Licensure), B.A.S.

### Core Courses

- ED 220 Introduction to Early Childhood Education **Credits: 3**
- ED 224 Creative Arts in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 231 Typical & Atypical Development **Credits: 3**
- ED 232 Health & Safety Practices for the Early Childhood Environment (birth-4th grade) **Credits: 3**
- ED 235 Literature for the Young Child **Credits: 3**
- ED 245 Designing Early Childhood Environments (birth-4th grade) **Credits: 3**
- ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature **Credits: 3**
- ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 280 Infant and Toddler Development **Credits: 3**
- ED 283 Introduction to Observation and Assessment in Early Childhood **Credits: 3**

## Academic Programs

- ED 322 Early Childhood Motor Development and Movement Education **Credits: 3**
- ED 343 Purposes of Play in Learning **Credits: 3**
- ED 350 Emergent Literacy **Credits: 3**
- ED 354 ECE Numeracy & Mathematics **Credits: 3**
- ED 368 Science & Social Studies in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 383 Introduction and Overview to Infant Mental Health **Credits: 3**
- ED 385 Infant and Toddler Observation and Assessment **Credits: 3**
- ED 419 Poverty, Young Children, and their Families **Credits: 3**  
**Credits: 6**
- ED 422 Early Childhood Studies Clinical Experience I **Credits: 3**  
or ED 423 Early Childhood Studies Clinical Experience II **Credits: 3-6**  
or ED 424 Early Childhood Studies Clinical Experience III **Credits: 3-6**
- ED 427 Professional Development: Early Childhood Studies Capstone-Work Sample **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**
- ED 466 Technology in Inclusive Early Childhood Environments **Credits: 3**
- ED 472 Trauma Informed Practices in Early Childhood **Credits: 3**
- ED 220 Introduction to Early Childhood Education **Credits: 3**
- ED 224 Creative Arts in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 231 Typical & Atypical Development **Credits: 3**
- ED 232 Health & Safety Practices for the Early Childhood Environment (birth-4th grade) **Credits: 3**
- ED 235 Literature for the Young Child **Credits: 3**
- ED 245 Designing Early Childhood Environments (birth-4th grade) **Credits: 3**
- ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature **Credits: 3**
- ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 280 Infant and Toddler Development **Credits: 3**
- ED 283 Introduction to Observation and Assessment in Early Childhood **Credits: 3**
- ED 322 Early Childhood Motor Development and Movement Education **Credits: 3**
- ED 343 Purposes of Play in Learning **Credits: 3**
- ED 350 Emergent Literacy **Credits: 3**
- ED 354 ECE Numeracy & Mathematics **Credits: 3**
- ED 368 Science & Social Studies in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 383 Introduction and Overview to Infant Mental Health **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

### Elective Credits: 18

Working closely with their advisor, students will choose electives that support their career path and count towards their major. This may include courses that complete the B.A.S. General Education core.

### Total Credits: 90

#### Note

An AAS in Early Childhood or related field is highly recommended. Students will need to work closely with Early Childhood advisors to map major.

## Education, Early Childhood Studies, B.S.

The Early Childhood Studies B.S. does not lead to license without the EIECSE concentration.

### Core Courses

### Humanities/Language Arts

#### Choose One

- LING 209 Introduction to Language Study **Credits: 4**
- LING 310 Introduction to Linguistics **Credits: 4**

#### Electives or Concentration - Choose One:

Students pursuing the Early Intervention Early Childhood Special Education (EIECSE) Concentration complete the concentration core.

Early Intervention Early Childhood Special Education (EIECSE) Concentration

All others complete the following electives.

#### Early Childhood Elective Credits: 18

Select six of the following education courses from the following:

- ED 285 Introduction to Families **Credits: 3**

## Academic Programs

- ED 340 Standing on the Shoulders of Giants: History & Theories of Early Childhood Education **Credits: 3**
- ED 357 Approaches to Early Childhood Education: Montessori, Reggio Emilia, & Waldorf Critical Issues in Early Childhood **Credits: 3**
- ED 369 Critical Issues in Early Childhood **Credits: 3**
- ED 419 Poverty, Young Children, and their Families **Credits: 3**
- ED 420 Global Perspectives in Early Childhood Education **Credits: 3**
- ED 425 Early Childhood Policy and Advocacy **Credits: 3**
- ED 443 Supporting Language, Literacy and Culture **Credits: 3**
- ED 448 Early Childhood Curriculum (birth- 4th grade) **Credits: 3**
- ED 482 Foundations of ESOL/Bilingual Education **Credits: 3**
- ED 483 Culture, Community and the ESOL/Bilingual Classroom **Credits: 3**
- ED 484 First and Second Language Acquisition and Educational Linguistics **Credits: 3**

### Outside of Education Elective Credits: 17

Working closely with their advisor, students will choose electives (outside education) that support their career path that may include, but are not limited to:

- ASL 101 American Sign Language I **Credits: 3-4**
- ASL 102 American Sign Language II **Credits: 3-4**
- ASL 103 American Sign Language III **Credits: 3-4**
- ASL 201 American Sign Language IV **Credits: 4**
- ASL 202 American Sign Language V **Credits: 4**
- ASL 203 American Sign Language VI **Credits: 4**
- GS 325 Learning Science Through Scientific Practices **Credits: 3**
- HST 201 History of the United States: Native American Cultures to Early 19th Century **Credits: 4**
- HST 202 History of the United States: Reform and Progress **Credits: 4**
- HST 203 History of the United States: First World War to the Present **Credits: 4**
- LING 309 The Language and Writing of Early Learners **Credits: 4**
- MTH 211 Foundations of Elementary Mathematics I **Credits: 4**
- MTH 212 Foundations of Elementary Mathematics II **Credits: 4**
- MTH 213 Foundations of Elementary Mathematics III **Credits: 4**
- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PSY 201 General Psychology **Credits: 4**
- PSY 202 General Psychology **Credits: 4**
- PSY 218 Psychological Foundations of Education **Credits: 3**
- PSY 311 Developmental Psychology **Credits: 4**
- PSY 328 Mental Health **Credits: 4**
- PSY 334 Social Psychology **Credits: 4**
- PSY 336 Introduction to Forensic Psychology **Credits: 4**
- PSY 349 Introduction to Behavior Modification **Credits: 4**
- PSY 350 Evolutionary Psychology **Credits: 4**
- PSY 360 Cognitive Psychology **Credits: 4**
- PSY 390 Theories of Learning **Credits: 4**
- SOC 223 Introduction to Sociology: Theory **Credits: 4**
- SOC 225 Social Problems **Credits: 4**

## Professional Education Core

The professional education core includes three terms of intensive classes and clinical experiences organized in the following fashion:

### Term I

- ED 403 EC Studies Seminar I **Credits: 1**
- ED 422 Early Childhood Studies Clinical Experience I **Credits: 3**
- ED 470 Home Visiting in Early Childhood **Credits: 3**
- SPED 421 Assessment and Evaluation of Exceptional Learners **Credits: 3**
- SPED 446 Law and Special Education **Credits: 3**

### Term II

- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 423 Early Childhood Studies Clinical Experience II **Credits: 3-6**
- ED 466 Technology in Inclusive Early Childhood Environments **Credits: 3**
- SPED 423 Behavior Supports **Credits: 3**
- SPED 430 Instructional Methods for Learners with Extensive Support Needs **Credits: 3**

### Term III

- ED 424 Early Childhood Studies Clinical Experience III **Credits: 3-6**

## Academic Programs

- ED 427 Professional Development: Early Childhood Studies Capstone-Work Sample **Credits: 3**
- ED 429 Professional Development Seminar III **Credits: 2**
- ED 485 Early Childhood Education: Leadership and Administration **Credits: 3**

Total Credits: 128-134

## Early Intervention Early Childhood Special Education (EIECSE) Concentration

### Core Courses

#### Junior Coursework

- ED 419 Poverty, Young Children, and their Families **Credits: 3**
- ED 460 Communication and Language Development of Diverse Young Children **Credits: 3**
- ED 464 Families & Community Involvement in Early Childhood Education **Credits: 3**
- ED 471 Collaborative Consultation in Inclusive Early Childhood **Credits: 3**
- ED 472 Trauma Informed Practices in Early Childhood **Credits: 3**
- SPED 424 Inclusive Practices: Methods for Supporting Exceptional Learners **Credits: 3**

Total Credits: 18

#### Note:

At the end of your senior year take Praxis & Apply for Teacher Standards and Practices Commission (TSPC) License.

#### Note:

Students completing the Early Intervention Early Childhood Special Education Concentration qualify for licensure and must take Praxis & Apply for Teacher Standards and Practices Commission (TSPC) License.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Education, Early Childhood/Elementary Teaching Preparation, B.S.

**Professors:** Carmen Cáceda, Kenneth Carano, Maria Dantas-Whitney, Mark Girod, Xiaopeng Gong, Rachel Harrington, Chloë Hughes, Melanie Landon-Hays, Marie LeJeune, Dana Ulveland, Alicia Wenzel

**Associate professors:** Jaclyn Caires-Hovey, Ya-fang Cheng, Andrea Emerson, Shari Hopkins, Katrina Hovey, Kristen Pratt, Cindy Ryan, Joshua Schulze, Greg Zobel

**Assistant professors:** Anne Delbridge, Danielle Lane

### Mission

Principled upon educational equity, cultural sensitivity, professionalism and an intellectually vital community. Committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of PK-12 students in schools.

### Learning Outcomes

The program prepares caring, competent professionals who:

1. Demonstrate evidence of appropriate content knowledge, skills and dispositions necessary for attaining high achievement for all PK-12 students.
2. Create a climate where diversity is valued.
3. Successfully affect the learning and development of PK-12 students in schools.

There are special requirements for admission to the education programs. Contact the Division of Education and Leadership representatives for more information. The College of Education's Policy Analysis and Review Committee establishes policies and standards that students must meet before being admitted to teacher education courses. Students may explore their interest in teaching during their freshman and sophomore years by enrolling in ED 200, ED 220, ED 230, ED 240.

The university has found it necessary to evaluate a person's background to determine his or her likelihood of maintaining standards of professional conduct necessary in the discipline. An evaluation may take into consideration current performance as well as past experiences and actions that could affect a student's ability to perform in the particular course or program.

Complete with Early Childhood, Early Childhood/Elementary, Elementary/Middle Level, Middle Level/High School or High School Teaching Preparations.

Age 3 through grade eight in an elementary school only.

### Core Courses

Test requirements: passing score on all required tests. See [wou.edu/educationtests](http://wou.edu/educationtests).

# Academic Programs

## Creative Arts

- ARE 433 Art Education **Credits: 3**
- ED 224 Creative Arts in Early Childhood Settings (birth-4th grade) **Credits: 3**

## Education

- ED 230 Children's Literature in Diverse Classrooms **Credits: 3**
- ED 242 Applied Children's Learning and Development **Credits: 3**
- ED 260 Sociopolitical Foundations of the Diverse Classroom **Credits: 3**
- ED 325 Elementary Science Methods **Credits: 3**
- ED 352 Elementary Social Studies Methods **Credits: 3**
- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**
- ED 464 Families & Community Involvement in Early Childhood Education **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

## Choose One

- ED 200 Foundations of Education **Credits: 3**
- ED 220 Introduction to Early Childhood Education **Credits: 3**

## Choose One

- ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**

## Choose One

- ED 231 Typical & Atypical Development **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 245 Designing Early Childhood Environments (birth-4th grade) **Credits: 3**
- ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature **Credits: 3**
- ED 280 Infant and Toddler Development **Credits: 3**

- ED 343 Purposes of Play in Learning **Credits: 3**

## Health Choose One

- ED 232 Health & Safety Practices for the Early Childhood Environment (birth-4th grade) **Credits: 3**
- HE 351 School Health Programs Elementary **Credits: 4**

## Humanities/Language Arts

### Choose One

- ED 349 Language Knowledge for the Critical Elementary Practitioner **Credits: 3**
- LING 314 Language Study for Elementary/Middle Teachers **Credits: 4**

### Choose One

- LING 209 Introduction to Language Study **Credits: 4**
- LING 214 Linguistics and Education **Credits: 4**
- LING 310 Introduction to Linguistics **Credits: 4**

### Choose One

- LIT 101 Topics in Literature **Credits: 4**
- LIT 102 Literary Genres **Credits: 4**

## Mathematics

- MTH 211 Foundations of Elementary Mathematics I **Credits: 4 \***
- MTH 212 Foundations of Elementary Mathematics II **Credits: 4 \***
- MTH 213 Foundations of Elementary Mathematics III **Credits: 4 \***
- MTH 396 Elementary Problem Solving **Credits: 3**

### Choose One

- MTH 392 College Algebra for Elementary and Middle School Teachers **Credits: 3**
- MTH 393 Probability & Statistics for Elementary and Middle School Teachers **Credits: 3**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- MTH 394 Introduction to Geometry for Elementary Teachers **Credits: 3**

## Academic Programs

- MTH 398 Discrete Mathematics for Elementary and Middle School Teachers **Credits: 3**
- MTH 495 Calculus Concepts for Middle School Teachers **Credits: 3**  
or MTH 251 Calculus I **Credits: 4**

## Physical Education

### Choose One

- ED 322 Early Childhood Motor Development and Movement Education **Credits: 3**
- EXS 433 Physical Education in the Elementary School **Credits: 4**

## Psychology

- 3-4 credits of Psychology

## Science

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- GS 325 Learning Science Through Scientific Practices **Credits: 3**

### Choose Two

- ES 104 Exploring the Physical Earth **Credits: 4 \***
- ES 105 Discoveries in Earth Science **Credits: 4 \***
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4 \***

## Social Science

### Choose One

- SUST 101 Sustainable World **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**

### Choose Two

- HST 201 History of the United States: Native American Cultures to Early 19th Century **Credits: 4 \***
- HST 202 History of the United States: Reform and Progress **Credits: 4 \***
- HST 203 History of the United States: First World War to the Present **Credits: 4 \***

### Choose One

- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**

## Optional Concentration

- Special Education Concentration

## Initial Licensure

Education majors are required to complete all pre-education courses (all 200, 300 and 400 level with a grade of B- or better) required for the major (early childhood only, early childhood/elementary, elementary/middle, middle/high or high only) prior to entry to the education core.

Requirements for admission into the professional education core include: (1) a minimum overall (or last 90 hours) GPA of 2.75, (2) a minimum GPA of 3.0 in education coursework and (3) for middle and high preparations a minimum of 3.0 in endorsement area content courses.

The professional education core includes three quarters of intensive classes and clinical experiences organized in the following fashion, by authorization level and major. Students must maintain a minimum GPA of 3.0 in education coursework and grades of B- or better in all courses while enrolled in the professional education core.

## Professional Education Core

### Term I

- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**
- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 443 Supporting Language, Literacy and Culture **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**

### Term II

- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 412 Clinical Experience II **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 444 Content Literacy **Credits: 3**

### Classroom Management Methods:

SPED Concentration students complete:

- SPED 423 Behavior Supports **Credits: 3**



## Academic Programs

All other students complete:

- ED 450 Methods for Classroom Management **Credits: 3**

### Term III

- ED 429 Professional Development Seminar III **Credits: 2**
- ED 498 Clinical Experience III **Credits: 10**

**Total Credits: 154-177**

## Special Education Concentration

The Special Education Concentration is a pathway that results in an endorsement recommendation to the Oregon Teachers Standards and Practices Commission. To complete the concentration and obtain the endorsement complete the following in addition to your Education, Elementary Teaching Preparation.

### Core Courses

- SPED 421 Assessment and Evaluation of Exceptional Learners **Credits: 3**
- SPED 423 Behavior Supports **Credits: 3**  
**Complete SPED 423 in place of ED 450 in Initial Licensure requirements.**
- SPED 424 Inclusive Practices: Methods for Supporting Exceptional Learners **Credits: 3**
- SPED 430 Instructional Methods for Learners with Extensive Support Needs **Credits: 3**
- SPED 446 Law and Special Education **Credits: 3**
- SPED 448 Special Education Practicum **Credits: 3**

**Total Credits: 18**

### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Education, Elementary/Middle Level Teaching Preparation, B.S.

**Professors:** Carmen Cáceda, Kenneth Carano, Maria Dantas-

Whitney, Mark Girod, Xiaopeng Gong, Rachel Harrington, Chloë Hughes, Melanie Landon-Hays, Marie LeJeune, Dana Ulveland, Alicia Wenzel

**Associate professors:** Jaclyn Caires-Hovey, Ya-fang Cheng, Andrea Emerson, Shari Hopkins, Katrina Hovey, Kristen Pratt, Cindy Ryan, Joshua Schulze, Greg Zobel

**Assistant professors:** Anne Delbridge, Danielle Lane

## Mission

Principled upon educational equity, cultural sensitivity, professionalism and an intellectually vital community. Committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of PK-12 students in schools.

## Learning Outcomes

The program prepares caring, competent professionals who:

1. Demonstrate evidence of appropriate content knowledge, skills and dispositions necessary for attaining high achievement for all PK-12 students.
2. Create a climate where diversity is valued.
3. Successfully affect the learning and development of PK-12 students in schools.

There are special requirements for admission to the education programs. Contact the Division of Education and Leadership representatives for more information. The College of Education's Policy Analysis and Review Committee establishes policies and standards that students must meet before being admitted to teacher education courses. Students may explore their interest in teaching during their freshman and sophomore years by enrolling in ED 200, ED 230, ED 240.

The university has found it necessary to evaluate a person's background to determine his or her likelihood of maintaining standards of professional conduct necessary in the discipline. An evaluation may take into consideration current performance as well as past experiences and actions that could affect a student's ability to perform in the particular course or program.

Complete with Early Childhood/Elementary, Elementary/Middle Level, Middle Level/High School or High School Teaching Preparations.

Grade three through grade nine in an elementary or middle level school only.

### Core Courses

Test requirements: passing score on all required tests. See [wou.edu/educationtests](http://wou.edu/educationtests).

## Education

- ED 200 Foundations of Education **Credits: 3**

## Academic Programs

- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 260 Sociopolitical Foundations of the Diverse Classroom **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

### Choose One

- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 242 Applied Children's Learning and Development **Credits: 3**

### Choose One

- ED 230 Children's Literature in Diverse Classrooms **Credits: 3**
- ED 240 Young Adult Literature in Diverse Classrooms **Credits: 3**

### Note:

Additional methods classes must be taken by focus area. See each focus area below for required methods courses for each focus area.

## Health

- HE 415 Child and Adolescent Health **Credits: 4**

## Humanities/Language Arts

### Choose One

- LING 214 Linguistics and Education **Credits: 4**
- LING 310 Introduction to Linguistics **Credits: 4**

### Choose One

- LING 314 Language Study for Elementary/Middle Teachers **Credits: 4**
- LING 315 Structure of English I **Credits: 4**

### Choose One

- LIT 101 Topics in Literature **Credits: 4**

- LIT 102 Literary Genres **Credits: 4**

## Mathematics

- MTH 211 Foundations of Elementary Mathematics I **Credits: 4**
- MTH 212 Foundations of Elementary Mathematics II **Credits: 4**
- MTH 213 Foundations of Elementary Mathematics III **Credits: 4**
- MTH 396 Elementary Problem Solving **Credits: 3**

### Choose One

- MTH 392 College Algebra for Elementary and Middle School Teachers **Credits: 3**
- MTH 393 Probability & Statistics for Elementary and Middle School Teachers **Credits: 3**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- MTH 394 Introduction to Geometry for Elementary Teachers **Credits: 3**
- MTH 398 Discrete Mathematics for Elementary and Middle School Teachers **Credits: 3**
- MTH 495 Calculus Concepts for Middle School Teachers **Credits: 3**  
or MTH 251 Calculus I **Credits: 4**

## Psychology

- 3-4 credits of psychology

## Science

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- ES 104 Exploring the Physical Earth **Credits: 4**
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4**
- GS 325 Learning Science Through Scientific Practices **Credits: 3**

### Choose One

- BI 102 General Biology: The Foundations of Life **Credits: 4**
- ES 105 Discoveries in Earth Science **Credits: 4**

### Note:

*Students with science focus must take ES 105 and BI 102 but*  
102

## Academic Programs

not GS 325.

### Social Science

#### Choose One

- SUST 101 Sustainable World **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**

#### Choose Two

- HST 201 History of the United States: Native American Cultures to Early 19th Century **Credits: 4**
- HST 202 History of the United States: Reform and Progress **Credits: 4**
- HST 203 History of the United States: First World War to the Present **Credits: 4**

#### Choose One

- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**

### Choose One Focus Area

Choose one focus area from: Spanish, Language Arts, Science, Mathematics, Cultural Geography, Regional Geography, United States History, European History, Latin American History, Asian History, Basic Political Science or American Government - see below.

#### Spanish

- One elective beyond SPAN 303 Third Year Spanish III **Credits: 4**  
or SPAN 319 Intermediate Spanish for Bilingual/Heritage Speakers III **Credits: 4**
- SPAN 350 Spanish Pronunciation and Phonetics **Credits: 4**

#### Choose One

- SPAN 338 Multicultural Spain: History, Film and Politics **Credits: 4**
- SPAN 339 Colonial Latino Literature and Culture **Credits: 4**
- SPAN 340 Mexican Literature and Culture **Credits: 4**

#### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

### Language Arts

- COM 325 Intercultural Communication **Credits: 4**  
or COM 342 Media Literacy **Credits: 4**
- LIT 317 Introduction to Literary Studies I **Credits: 4**

#### Choose One

- LIT 205 Survey of British Literature II **Credits: 4**
- LIT 206 Survey of British Literature III **Credits: 4**
- LIT 253 Survey of American Literature I **Credits: 4**
- LIT 254 Survey of American Literature II **Credits: 4**
- LIT 301 Shakespeare **Credits: 4**
- LIT 439 Studies in U.S. Minority Literature **Credits: 4**
- LIT 443 Studies in World Literatures **Credits: 4**

### Methods

- ED 325 Elementary Science Methods **Credits: 3**  
or ED 352 Elementary Social Studies Methods **Credits: 3**
- ED 353 Elementary Mathematics Methods **Credits: 3**

### Science

#### Credits: 12

- PH 201 General Physics **Credits: 4**  
or GS 114 Essentials of Physical Science **Credits: 4**
- BI 317 Vertebrate Natural History **Credits: 5**
- BI 360 Animal Behavior **Credits: 4**
- BI 370 Humans and the Environment **Credits: 4**
- CH 361 Energy, Resources and the Environment **Credits: 3**
- ES 331 Introduction to Oceanography **Credits: 3**
- ES 390 Basic Meteorology **Credits: 3**
- GS 351 Elements of Astronomy **Credits: 3**

#### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

# Academic Programs

## Mathematics

### Choose Five

Cannot be same courses used to meet other requirements.

- MTH 111Z Precalculus I: Functions **Credits: 4**  
or MTH 392 College Algebra for Elementary and Middle School Teachers **Credits: 3**
- MTH 393 Probability & Statistics for Elementary and Middle School Teachers **Credits: 3**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- MTH 398 Discrete Mathematics for Elementary and Middle School Teachers **Credits: 3**
- MTH 492 Abstract Algebra for Middle School Teachers **Credits: 3**
- MTH 494 Geometry for Middle School Teachers **Credits: 3**
- MTH 495 Calculus Concepts for Middle School Teachers **Credits: 3**

## Methods

- ED 325 Elementary Science Methods **Credits: 3**  
or ED 352 Elementary Social Studies Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

## Regional Geography

### Choose Three

- GEOG 371 Mexico and Central America **Credits: 4**
- GEOG 421 The Changing American West **Credits: 4**
- SUST 313 The Pacific Northwest **Credits: 4**

## Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

## United States History

### Choose Three

Three upper division United States history courses selected from:

- HST 404 Gender Issues in History, I **Credits: 4**

- HST 405 Gender Issues in History, II **Credits: 4**
- HST 475 Colonial America **Credits: 4**
- HST 477 Civil War and Reconstruction **Credits: 4**
- HST 479 Challenges of Progressive Era America **Credits: 4**
- HST 480 Topics in Multicultural American History **Credits: 4**
- HST 481 American Voices: Autobiography, Biography and Memoir in American History **Credits: 4**
- HST 482 United States 1914-1945 **Credits: 4**
- HST 483 Cold War America **Credits: 4**
- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**
- HST 486 Chicano/a History **Credits: 4**
- HST 490 Wests of Early America **Credits: 4**
- HST 491 Western U.S.: 20th Century Issues **Credits: 4**
- HST 492 Pacific Northwest History **Credits: 4**
- HST 493 Women in Oregon History **Credits: 4**
- HST 494 North American Constitutional History **Credits: 4**

## Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

## European History

### Choose Three

Three upper division European history courses selected from:

- HST 412 Yugoslavia: From Experiment to Collapse **Credits: 4**
- HST 413 Dissent and Opposition in East Europe **Credits: 4**
- HST 414 British History to 1300 **Credits: 4**
- HST 415 British History to the 18th Century **Credits: 4**
- HST 418 The Reformation **Credits: 4**
- HST 419 Early Modern Europe **Credits: 4**
- HST 422 Germany: The 19th Century **Credits: 4**
- HST 423 Germany 1914 to 1945 **Credits: 4**
- HST 424 Postwar German History **Credits: 4**
- HST 425 Modern France: Revolution and Napoleon **Credits: 4**
- HST 426 Modern France: 19th Century **Credits: 4**
- HST 427 Modern France: 20th Century **Credits: 4**
- HST 428 19th-Century Europe **Credits: 4**

## Academic Programs

- HST 429 20th-Century Europe: From World Wars to Cold War **Credits: 4**
- HST 430 20th-Century Europe: Postwar Period **Credits: 4**
- HST 431 Russia to Peter the Great **Credits: 4**
- HST 432 Imperial Russia **Credits: 4**
- HST 433 Soviet Russia **Credits: 4**
- HST 436 History of Modern Paris **Credits: 4**
- HST 438 European Imperialisms **Credits: 4**
- HST 439 Colonial Cultures **Credits: 4**
- HST 440 Gender and Colonialism **Credits: 4**
- HST 441 Decolonization and its Aftermath **Credits: 4**
- HST 447 The Early Middle Ages **Credits: 4**
- HST 448 The High Middle Ages **Credits: 4**
- HST 449 The Late Middle Ages **Credits: 4**
- HST 451 The Crusades **Credits: 4**
- HST 452 Women and Family in the Middle Ages **Credits: 4**

### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

### Latin American History

#### Choose Three

Three upper division Latin American history courses selected from:

- HST 453 Pre-Columbian and Colonial Latin America **Credits: 4**
- HST 454 History of the Caribbean **Credits: 4**
- HST 455 Modern Latin America **Credits: 4**
- HST 456 Mexico Since Independence **Credits: 4**
- HST 457 The Cuban Revolution **Credits: 4**
- HST 485 Race and Ethnicity in Latin America **Credits: 4**

### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

### Asian History

Three upper division Asian history courses selected from:

#### Choose Three

- HST 461 History of East Asia: Traditional China **Credits: 4**
- HST 462 History of East Asia: Traditional Japan **Credits: 4**
- HST 463 Modern East Asia **Credits: 4**
- HST 467 Modern China I: Fragmentation Reform Movements in Late Imperial China **Credits: 4**
- HST 468 Modern China II: The Republic of China in the 20th Century **Credits: 4**
- HST 469 Modern China III: People's Republic of China, Confucianism and Socialism **Credits: 4**
- HST 471 Women in Japanese Society **Credits: 4**
- HST 472 Women in Chinese Society **Credits: 4**
- HST 473 Popular Culture in China **Credits: 4**
- HST 474 Popular Culture in Japan **Credits: 4**

### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

### Basic Political Science

- PS 201 American National Government **Credits: 4**
- Two upper division Political Science courses

#### Choose One

- PS 202 State and Local Government **Credits: 4**
- PS 203 International Relations **Credits: 4**

### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

### American Government

- PS 201 American National Government **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 469 Congress and the Presidency **Credits: 4**

#### Choose One

## Academic Programs

- PS 414 Political Parties, Pressure Groups and Elections **Credits: 4**
- PS 419 American Presidential Elections **Credits: 4**

### Methods

- ED 353 Elementary Mathematics Methods **Credits: 3**
- ED 374 Teaching Writing in the Elementary Classroom **Credits: 3**

## Initial Licensure

Education majors are required to complete all pre-education courses (all 200, 300 and 400 level with a grade of B- or better) required for the major (early childhood only, early childhood/elementary, elementary/middle, middle/high or high only) prior to entry to the education core.

Requirements for admission into the professional education core include: (1) a minimum overall (or last 90 hours) GPA of 2.75, (2) a minimum GPA of 3.0 in education coursework and (3) for middle and high preparations a minimum of 3.0 in endorsement area content courses.

The professional education core includes three quarters of intensive classes and clinical experiences organized in the following fashion, by authorization level and major. Students must maintain a minimum GPA of 3.0 in education coursework and grades of B- or better in all courses while enrolled in the professional education core.

## Professional Education Core

### Term I

- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**
- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 434 Content Pedagogy I **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**
- ED 477 Literacy at the Middle Level **Credits: 3**

### Term II

- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 412 Clinical Experience II **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 436 Content Pedagogy II **Credits: 3**
- ED 444 Content Literacy **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**

### Term III

- ED 429 Professional Development Seminar III **Credits: 2**
- ED 498 Clinical Experience III **Credits: 10**

**Total Credits: 157-165**

## Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Education, High School Teaching Preparation, B.S.

**Professors:** Carmen Cáceda, Kenneth Carano, Maria Dantas-Whitney, Mark Girod, Xiaopeng Gong, Rachel Harrington, Chloë Hughes, Melanie Landon-Hays, Marie LeJeune, Dana Ulveland, Alicia Wenzel

**Associate professors:** Jaclyn Caires-Hurley, Ya-fang Cheng, Andrea Emerson, Shari Hopkins, Kristen Pratt, Cindy Ryan, Joshua Schulze, Greg Zobel

**Assistant professors:** Anne Delbridge, Danielle Lane

## Mission

Principled upon educational equity, cultural sensitivity, professionalism and an intellectually vital community. Committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of PK-12 students in schools.

## Learning Outcomes

The program prepares caring, competent professionals who:

1. Demonstrate evidence of appropriate content knowledge, skills and dispositions necessary for attaining high achievement for all PK-12 students.
2. Create a climate where diversity is valued.
3. Successfully affect the learning and development of PK-12 students in schools.

There are special requirements for admission to the education programs. Contact the Division of Education and Leadership representatives for more information. The College of Education's Policy Analysis and Review Committee establishes policies and standards that students must meet before being admitted to teacher education courses. Students may explore their interest in teaching during their freshman and sophomore years by enrolling in ED 200, ED 230, ED 240.

## Academic Programs

The university has found it necessary to evaluate a person's background to determine his or her likelihood of maintaining standards of professional conduct necessary in the discipline. An evaluation may take into consideration current performance as well as past experiences and actions that could affect a student's ability to perform in the particular course or program.

Complete with Early Childhood/Elementary, Elementary/Middle Level, Middle Level/High School or High School Teaching Preparations.

Grade nine through grade 12 in a high school.

## Core Courses

High school teaching majors are required to have successfully completed each of the following prior to entry into the professional core:

- ED 200 Foundations of Education **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 260 Sociopolitical Foundations of the Diverse Classroom **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**

## High School Teaching Preparations

Test requirements: passing score on all required tests. See [wou.edu/educationtests](http://wou.edu/educationtests). For programs in academic specialty areas, see listings under the academic area:

- Biology Teacher Education, B.S.
- Chemistry Teacher Education, B.S.
- Integrated Science Teacher Education, B.S.
- Language Arts Teacher Education, B.S.
- Mathematics Teacher Education, B.S.
- Physical Education Teacher Education, B.S.
- School Health Teacher Education, B.S.
- Social Science Teacher Education, B.S.
- Spanish Teacher Education, B.S.

## Initial Licensure

Education majors are required to complete all pre-education courses (all 200, 300 and 400 level with a grade of B- or better) required for the major (early childhood only, early childhood/elementary, elementary/middle, middle/high or high only) prior to entry to the education core.

Requirements for admission into the professional education core include: (1) a minimum overall (or last 90 hours) GPA of 2.75, (2) a minimum GPA of 3.0 in education coursework and (3) for middle and high preparations a minimum of 3.0 in endorsement area content courses.

The professional education core includes three quarters of intensive classes and clinical experiences organized in the following fashion, by authorization level and major. Students must maintain a minimum GPA of 3.0 in education coursework and grades of B- or better in all courses while enrolled in the professional education core.

## Professional Education Core

### Term I

- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**
- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 434 Content Pedagogy I **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

### Term II

- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 412 Clinical Experience II **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 436 Content Pedagogy II **Credits: 3**
- ED 444 Content Literacy **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**

### Term III

- ED 429 Professional Development Seminar III **Credits: 2**
- ED 498 Clinical Experience III **Credits: 10**

## Total Credits: 113-145

## Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Academic Programs

### Education, Middle Level/High School Teaching Preparation, B.S.

**Professors:** Carmen Cáceda, Kenneth Carano, Maria Dantas-Whitney, Mark Girod, Xiaopeng Gong, Rachel Harrington, Chloë Hughes, Melanie Landon-Hays, Marie LeJeune, Dana Ulveland, Alicia Wenzel

**Associate professors:** Jaclyn Caires-Hurley, Ya-fang Cheng, Andrea Emerson, Shari Hopkins, Kristen Pratt, Cindy Ryan, Joshua Schulze, Greg Zobel

**Assistant professors:** Anne Delbridge, Danielle Lane

### Mission

Principled upon educational equity, cultural sensitivity, professionalism and an intellectually vital community. Committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of PK-12 students in schools.

### Learning Outcomes

The program prepares caring, competent professionals who:

1. Demonstrate evidence of appropriate content knowledge, skills and dispositions necessary for attaining high achievement for all PK-12 students.
2. Create a climate where diversity is valued.
3. Successfully affect the learning and development of PK-12 students in schools.

There are special requirements for admission to the education programs. Contact the Division of Education and Leadership representatives for more information. The College of Education's Policy Analysis and Review Committee establishes policies and standards that students must meet before being admitted to teacher education courses. Students may explore their interest in teaching during their freshman and sophomore years by enrolling in ED 200, ED 230, ED 240.

The university has found it necessary to evaluate a person's background to determine his or her likelihood of maintaining standards of professional conduct necessary in the discipline. An evaluation may take into consideration current performance as well as past experiences and actions that could affect a student's ability to perform in the particular course or program.

Complete with Early Childhood/Elementary, Elementary/Middle Level, Middle Level/High School or High School Teaching Preparations.

Grade five through grade 12 in a middle level or high school only.

### Core Courses

Middle level/high school teaching majors are required to have

successfully completed each of the following before entry into the professional core:

- ED 200 Foundations of Education **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 260 Sociopolitical Foundations of the Diverse Classroom **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**

### Middle Level/High School Teaching Preparations

Test requirements: passing score on all required tests. See [wou.edu/educationtests](http://wou.edu/educationtests). For programs in academic specialty areas, see listings under the academic area:

- Biology Teacher Education, B.S.
- Chemistry Teacher Education, B.S.
- Integrated Science Teacher Education, B.S.
- Language Arts Teacher Education, B.S.
- Mathematics Teacher Education, B.S.
- Physical Education Teacher Education, B.S.
- School Health Teacher Education, B.S.
- Social Science Teacher Education, B.S.
- Spanish Teacher Education, B.S.

### Initial Licensure

Education majors are required to complete all pre-education courses (all 200, 300 and 400 level with a grade of B- or better) required for the major (early childhood only, early childhood/elementary, elementary/middle, middle/high or high only) prior to entry to the education core.

Requirements for admission into the professional education core include: (1) a minimum overall (or last 90 hours) GPA of 2.75, (2) a minimum GPA of 3.0 in education coursework and (3) for middle and high preparations a minimum of 3.0 in endorsement area content courses.

The professional education core includes three quarters of intensive classes and clinical experiences organized in the following fashion, by authorization level and major. Students must maintain a minimum GPA of 3.0 in education coursework and grades of B- or better in all courses while enrolled in the professional education core.

### Professional Education Core

#### Term I



## Academic Programs

- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**
- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 434 Content Pedagogy I **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

### Term II

- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 412 Clinical Experience II **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 436 Content Pedagogy II **Credits: 3**
- ED 444 Content Literacy **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**

### Term III

- ED 429 Professional Development Seminar III **Credits: 2**
- ED 498 Clinical Experience III **Credits: 10**

**Total Credits: 114-145**

### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## English Studies, B.A.

**Professors:** Kathleen Cassity, Henry Hughes, Gavin Keulks, Marjory Lange, Katherine Schmidt, Robert Troyer

**Associate professors:** Ann Bliss, Leigh Graziano, Lars Söderlund, Ryan Topper

## Mission

Provides personalized learning opportunities leading to advanced studies or a variety of careers including teaching, writing, editing, linguistics and literature. The various programs help students develop a broad knowledge of literature, language and writing to foster analytical and critical skills. Students encounter new ideas; appreciate aesthetic and practical language; become impassioned readers, writers and thinkers; and gain perspectives in assimilating and evaluating

their new experiences.

## Learning Outcomes: Foundations

1. Develop basic understanding of the nature of language and of the appropriate methods for language inquiry /analysis.
2. Develop the skills required to write persuasive, coherent explications of literary texts, to appropriately support arguments with both primary and secondary source material and to properly employ the conventions of documentation for writing effective critical essays.
3. Develop familiarity with the key issues in writing studies.

## Core Courses

Before taking the Foundations courses, students should have the General Education writing requirement completed, and one lower-division Literature course before LIT 317 (recommended: LIT 201 or LIT 202).

## Core Courses

- ENG 498 Senior Capstone **Credits: 1**
- LING 310 Introduction to Linguistics **Credits: 4**
- LIT 317 Introduction to Literary Studies I **Credits: 4**
- WR 230 Introduction to Writing Studies **Credits: 4**

## Choose One Concentration

- Integrated English Studies Concentration
- Linguistics Concentration
- Literature Concentration
- Writing Concentration

**Total Credits: 54-65**

## Integrated English Studies Concentration

Note: cannot be combined with a minor from any English Studies area

## Core Courses

- LING 315 Structure of English I **Credits: 4**
- One upper-division Linguistics course

## Academic Programs

- One Writing course (above WR 122)
- One upper-division Writing course

### Choose One

- LIT 204 Survey of British Literature I **Credits: 4**
- LIT 205 Survey of British Literature II **Credits: 4**
- LIT 206 Survey of British Literature III **Credits: 4**

### Choose One

- LIT 253 Survey of American Literature I **Credits: 4**
- LIT 254 Survey of American Literature II **Credits: 4**

### Upper Division Credits: 16

- Upper-division English, Linguistics, Literature or Writing courses

### 400-level Credits: 8

- 400-level English, Linguistics, Literature or Writing courses

### Total Credits: 48

## Linguistics Concentration

### Core Courses

- LING 312 Language and Society **Credits: 4**
- LING 315 Structure of English I **Credits: 4**
- LING 350 Linguistics in the Digital Age **Credits: 4**
- LING 370 Meaning and Context **Credits: 4**
- LING 490 History of the English Language **Credits: 4**
- Second Language. Three terms past placement level.

### Choose One

- LIT 204 Survey of British Literature I **Credits: 4**
- LIT 205 Survey of British Literature II **Credits: 4**
- LIT 206 Survey of British Literature III **Credits: 4**
- LIT 253 Survey of American Literature I **Credits: 4**
- LIT 254 Survey of American Literature II **Credits: 4**

### Elective Credits: 12

- 400-level Linguistics or English courses

### Total Credits: 48

## Literature Concentration

Literature majors are recommended to take at least one of LIT 201 or LIT 202 in General Education.

### Core Courses

- LIT 301 Shakespeare **Credits: 4**
- LIT 318 Introduction to Literary Studies II **Credits: 4**

### Choose Four

- LIT 204 Survey of British Literature I **Credits: 4**
- LIT 205 Survey of British Literature II **Credits: 4**
- LIT 206 Survey of British Literature III **Credits: 4**
- LIT 253 Survey of American Literature I **Credits: 4**
- LIT 254 Survey of American Literature II **Credits: 4**

### Choose One

- LIT 439 Studies in U.S. Minority Literature **Credits: 4**
- LIT 443 Studies in World Literatures **Credits: 4**

### Upper Division Credits: 8

- Upper-division Literature or English courses

### 400-level Credits: 8

- 400-level Literature or English courses

### Total Credits: 44

## Writing Concentration

### Core Courses

- LING 315 Structure of English I **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**

### Choose One

## Academic Programs

- LIT 204 Survey of British Literature I **Credits: 4**
- LIT 205 Survey of British Literature II **Credits: 4**
- LIT 206 Survey of British Literature III **Credits: 4**
- LIT 253 Survey of American Literature I **Credits: 4**
- LIT 254 Survey of American Literature II **Credits: 4**

### Elective Credits: 29-32

- Five upper-division Writing Credits: 20
- Three upper-division Writing courses or approved upper division electives Credits: 9 - 12

### Total Credits: 41-44

### Satisfactory Grade Use

Writing (WR) and Linguistics (LING) course requirements may be fulfilled with a grade of S.

Literature (LIT) course requirements may not be fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any LIT courses that will be used in the program.

## Exercise Science, B.S.

**Professors:** Jeffrey Armstrong, Marita Cardinal, Gay Timken

**Associate professors:** Laura Ellingson-Sayen, Jennifer Taylor-Winney

### Mission

To maximize individual and professional development in health and movement science and to promote healthy lifestyles and communities.

### Learning Outcomes

1. The graduate will be able to apply research-based knowledge and principles of Exercise Science under a variety of individual, environmental, and task constraints.
2. The graduate will be able to design, implement and assess effective exercise programs and interventions using a diverse range of equipment facilities and pedagogical resources and methods.
3. The graduate will demonstrate appropriate professional skills and ethics.
4. The graduate will demonstrate sensitivity in their interactions and professional practice with individuals from diverse physiological, intellectual, emotional,

philosophical, social, economic, racial, gender, and cultural backgrounds.

### Core Courses

- BI 102 General Biology: The Foundations of Life **Credits: 4**
- BI 234 Human Anatomy and Physiology **Credits: 4**
- BI 235 Human Anatomy and Physiology **Credits: 4**
- BI 236 Human Anatomy and Physiology **Credits: 4**
- EXS 230 Foundations of Exercise Science **Credits: 4**
- EXS 310 Motor Behavior **Credits: 4**
- EXS 370 Sociological and Psychological Aspects of Physical Activity **Credits: 4**
- EXS 371 Biomechanics **Credits: 4**
- EXS 373 Physiology of Exercise **Credits: 4**
- EXS 383 Kinesiology **Credits: 4**
- EXS 426 Sports & Exercise Nutrition **Credits: 4**  
or HE 426 Sports and Exercise Nutrition **Credits: 4**
- EXS 444 Lifespan Adapted Physical Activity **Credits: 4**
- EXS 490 Research Methods **Credits: 4**
- HE 325 Nutrition **Credits: 4**
- MTH 110 Applied College Mathematics **Credits: 4**  
or MTH 111Z Precalculus I: Functions **Credits: 4**

### Choose One Professional Concentration

- Fitness and Human Performance Concentration
- Pre-Clinical Concentration
- Pre-Education Non-licensure Concentration

### Total Credits: 98-100

### Fitness and Human Performance Concentration

### Core Courses

- EXS 245 Foundations of Strength Training and Conditioning **Credits: 4**
- EXS 455 Physical Activity & Aging **Credits: 4**
- EXS 465 Motivational Interviewing **Credits: 4**
- EXS 477 Advanced Programming for Sport and Fitness **Credits: 4**
- EXS 485 Exercise Testing and Prescription **Credits: 4**

## Academic Programs

- EXS 488 Exercise Motivation and Adherence **Credits: 4**
- EXS 498 Internship in Exercise Science **Credits: 4**

Elective Credits: 12

- Electives with advisor approval

Total Credits: 40

### Pre-Clinical Concentration

#### Core Courses

- EXS 453 Pathophysiology and Exercise **Credits: 4**
- EXS 455 Physical Activity & Aging **Credits: 4**
- EXS 465 Motivational Interviewing **Credits: 4**
- EXS 485 Exercise Testing and Prescription **Credits: 4**
- EXS 488 Exercise Motivation and Adherence **Credits: 4**
- EXS 498 Internship in Exercise Science **Credits: 4**

Elective Credits: 16

- Electives with advisor approval

Total Credits: 40

### Pre-Education Non-licensure Concentration

#### Core Courses

- EXS 239 Movement Education **Credits: 3**
- EXS 240 Dance in Physical Education **Credits: 3**
- EXS 241 Teaching Games for Understanding **Credits: 3**
- EXS 242 Sport Education Model **Credits: 3**
- EXS 243 Outdoor Pursuits & Adventure Based Learning **Credits: 3**
- EXS 244 Group Exercise Leadership **Credits: 3**
- EXS 245 Foundations of Strength Training and Conditioning **Credits: 4**
- EXS 330 Teaching Elementary Physical Education **Credits: 4**

- EXS 430 Teaching Secondary Physical Education **Credits: 4**
- EXS 431 Assessment Strategies In Physical Education **Credits: 4**
- EXS 445 Curricular Issues in Physical Education **Credits: 4**

Total Credits: 38

Note:

Exercise science majors must have a grade of C- or better in courses used to satisfy requirements of the major.

#### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S, including Education courses. Do not select Satisfactory/No Credit grading for any courses that will be used in EXS or ED classes.

### Gerontology: Aging and Older Adulthood, B.A.S./B.S.

**Professor:** Margaret Manoogian  
**Associate professor:** Melissa Cannon  
**Dual appointed professor:** Tamina Toray

#### Mission

Provide students with a multidisciplinary foundation of core knowledge and skills in aging and older adulthood drawn from the fields of gerontology, psychology, social work, health, political science, communications, and business. Students will gain competence in accessing, evaluating, and integrating sources of knowledge within the field. They will develop and refine essential skills through service-learning and practicum experiences. Graduates will apply such knowledge and skills in a manner consistent with an understanding of professional standards and practice.

#### Learning Outcomes

1. Identify the needs of older adults and assess different approaches to address those needs.
2. Explain the cognitive, physical and social changes associated with older adulthood.
3. Apply perspectives from two or more disciplines to understand the needs of older adults.

#### Core Courses

## Academic Programs

- GERO 200 The Aging Self: Your Pathway Through Adulthood **Credits: 4**
- GERO 320 Introduction to Aging **Credits: 4**
- GERO 340 Intersectionality: Inequalities and Vulnerabilities in Older Adulthood **Credits: 4**
- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- GERO 410 Practicum in Gerontology I **Credits: 4**
- GERO 411 Practicum in Gerontology II **Credits: 6**
- GERO 430 Palliative Care and Chronic Illness **Credits: 4**
- GERO 455 Social Ties and Aging **Credits: 4**
- GERO 460 Housing and Long-Term Care for Older Adults **Credits: 4**
- GERO 480 Alzheimer's Disease and Other Dementias Management **Credits: 4**
- PSY 201 General Psychology **Credits: 4**

### Elective Credits: 12

#### Choose Three

- GERO 120 Medical Terminology I **Credits: 4**
- GERO 407 Seminar **Credits: 1-12**
- GERO 415 Aging in Our Physical and Social Environments **Credits: 4**
- GERO 420 Global Aging **Credits: 4**
- GERO 425 Reminiscence, Life Review, and Aging **Credits: 4**
- GERO 484 Death, Dying and Grief **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PSY 311 Developmental Psychology **Credits: 4**
- PSY 461 Psychopharmacology **Credits: 4**
- PSY 483 Adulthood and Aging **Credits: 4**

### Total Credits: 58

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## History, B.A.

**Professors:** David Doellinger, Patricia Goldsworthy-Bishop, Kimberly Jensen

**Associate professor:** Elizabeth Swedo

**Visiting assistant professor:** Ricardo Pelegrin Taboada

## Mission

Promote a community of scholars dedicated to excellence in teaching, research, professional and community service. This community connects students with the past through a global and comparative perspective and provides them with the tools for critical thinking and analysis that are the foundation of the liberal arts education.

## Learning Outcomes

1. Critically analyze, synthesize and evaluate primary and secondary historical sources.
2. Engage multiple historical methodologies and multiple sources to produce well-researched written work.
3. Explain historical developments across multiple cultures and regions.

## Core Courses

- HST 104 World History: The Ancient and Classical World **Credits: 4**
- HST 105 World History: Expanding Societies **Credits: 4**
- HST 106 World History: The Modern World **Credits: 4**
- HST 420 Philosophies of History **Credits: 4**
- HST 499 Senior Seminar **Credits: 4**

#### Choose Two:

- HST 201 History of the United States: Native American Cultures to Early 19th Century **Credits: 4**
- HST 202 History of the United States: Reform and Progress **Credits: 4**
- HST 203 History of the United States: First World War to the Present **Credits: 4**

### Elective Credits: 44

Select at least two courses from four of the five focus areas below and an additional 12 credits of history electives or other electives approved by your advisor.

Consult a History Department adviser in developing your plan. This may include HST 407 seminars on topical/regional areas offered on a periodic basis. With prior approval from their History Department adviser, students may plan a program that includes up to 9 hours of social science electives relevant to their focus areas in history to complete the 44-hour sequence.

#### FOCUS AREAS:

- Africa/Latin America
- Comparative/Methods
- East and West Asia

## Academic Programs

- Europe/Russia
- North American Studies

### Senior Seminar Projects:

Students will work with history faculty to develop a capstone project for their Senior Seminar. In consultation with History Department faculty, students may select to do a thesis paper or an internship or practicum. Both thesis and internship students will work with History Department advisers, across their senior year, completing their capstone projects in the History Senior Seminar (HST 499) in the spring term. HST 420 should be taken the winter term preceding HST 499. In HST 420, the student will explore the theoretical foundations of the discipline of history that will become the basis for the HST 499 senior capstone project.

Students planning on pursuing graduate work are encouraged to complete the thesis option, for which students use a research paper created in an upper division history course at WOU as a foundation for their Senior Seminar thesis. These students will revise and expand this topical paper, completing it in HST 499. For internship capstone projects, students engage in research and writing related to their internship topics in HST 420. They then complete their practicum or internships with community partners and integrate their experiences and their research in writing in HST 499.

Total Credits: 72

### Africa/Latin America

#### Core Courses

- HST 434 Mediterranean Worlds **Credits: 4**
- HST 435 Mediterranean Worlds **Credits: 4**
- HST 438 European Imperialisms **Credits: 4**
- HST 440 Gender and Colonialism **Credits: 4**
- HST 441 Decolonization and its Aftermath **Credits: 4**
- HST 442 America and the Middle East **Credits: 4**
- HST 443 Jewish North Africa **Credits: 4**
- HST 444 Colonial North Africa **Credits: 4**
- HST 445 Postcolonial North Africa **Credits: 4**
- HST 446 Pandemics and Crises in Latin America **Credits: 4**
- HST 450 Crime and Society in Latin America **Credits: 4**
- HST 453 Pre-Columbian and Colonial Latin America **Credits: 4**
- HST 454 History of the Caribbean **Credits: 4**
- HST 455 Modern Latin America **Credits: 4**
- HST 456 Mexico Since Independence **Credits: 4**
- HST 457 The Cuban Revolution **Credits: 4**

- HST 458 History of Inter-American Relations **Credits: 4**
- HST 485 Race and Ethnicity in Latin America **Credits: 4**
- HST 486 Chicano/a History **Credits: 4**

## Comparative/Methods

### Core Courses

- HST 110 Detecting the Past: Critical Thinking with Historical Sources **Credits: 4**
- HST 301 Introduction to Historical Research **Credits: 4**
- HST 400 The Viking World **Credits: 4**
- HST 404 Gender Issues in History, I **Credits: 4**
- HST 405 Gender Issues in History, II **Credits: 4**
- HST 406 Archival Science **Credits: 4**
- HST 408 Oral History **Credits: 4**
- HST 410 Introduction to Public History **Credits: 4**
- HST 411 World Problems **Credits: 4**
- HST 413 Dissent and Opposition in East Europe **Credits: 4**
- HST 437 World War II in Film **Credits: 4**
- HST 439 Colonial Cultures **Credits: 4**
- HST 440 Gender and Colonialism **Credits: 4**
- HST 441 Decolonization and its Aftermath **Credits: 4**
- HST 442 America and the Middle East **Credits: 4**
- HST 446 Pandemics and Crises in Latin America **Credits: 4**
- HST 451 The Crusades **Credits: 4**
- HST 452 Women and Family in the Middle Ages **Credits: 4**
- HST 458 History of Inter-American Relations **Credits: 4**
- HST 459 Medieval Saints & Sinners: The History of the Medieval Church **Credits: 4**
- HST 460 The Black Death **Credits: 4**
- HST 479 Challenges of Progressive Era America **Credits: 4**
- HST 480 Topics in Multicultural American History **Credits: 4**
- HST 481 American Voices: Autobiography, Biography and Memoir in American History **Credits: 4**
- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**
- HST 489 Environmental History **Credits: 4**
- HST 492 Pacific Northwest History **Credits: 4**
- HST 493 Women in Oregon History **Credits: 4**

## Academic Programs

- HST 494 North American Constitutional History **Credits: 4**
- HST 496 Empire and Environment **Credits: 4**
- HST 497 History of Fascism **Credits: 4**

## East and West Asia

### Core Courses

- HST 434 Mediterranean Worlds **Credits: 4**
- HST 435 Mediterranean Worlds **Credits: 4**
- HST 438 European Imperialisms **Credits: 4**
- HST 440 Gender and Colonialism **Credits: 4**
- HST 441 Decolonization and its Aftermath **Credits: 4**
- HST 442 America and the Middle East **Credits: 4**
- HST 461 History of East Asia: Traditional China **Credits: 4**
- HST 462 History of East Asia: Traditional Japan **Credits: 4**
- HST 463 Modern East Asia **Credits: 4**
- HST 467 Modern China I: Fragmentation Reform Movements in Late Imperial China **Credits: 4**
- HST 468 Modern China II: The Republic of China in the 20th Century **Credits: 4**
- HST 469 Modern China III: People's Republic of China, Confucianism and Socialism **Credits: 4**
- HST 471 Women in Japanese Society **Credits: 4**
- HST 472 Women in Chinese Society **Credits: 4**
- HST 473 Popular Culture in China **Credits: 4**
- HST 474 Popular Culture in Japan **Credits: 4**
- HST 495 Arab World in Transition **Credits: 4**
- HST 496 Empire and Environment **Credits: 4**

## Europe/Russia

### Core Courses

- HST 400 The Viking World **Credits: 4**
- HST 412 Yugoslavia: From Experiment to Collapse **Credits: 4**
- HST 413 Dissent and Opposition in East Europe **Credits: 4**
- HST 414 British History to 1300 **Credits: 4**
- HST 415 British History to the 18th Century **Credits: 4**
- HST 418 The Reformation **Credits: 4**
- HST 419 Early Modern Europe **Credits: 4**
- HST 422 Germany: The 19th Century **Credits: 4**
- HST 423 Germany 1914 to 1945 **Credits: 4**

- HST 424 Postwar German History **Credits: 4**
- HST 425 Modern France: Revolution and Napoleon **Credits: 4**
- HST 426 Modern France: 19th Century **Credits: 4**
- HST 427 Modern France: 20th Century **Credits: 4**
- HST 428 19th-Century Europe **Credits: 4**
- HST 429 20th-Century Europe: From World Wars to Cold War **Credits: 4**
- HST 430 20th-Century Europe: Postwar Period **Credits: 4**
- HST 431 Russia to Peter the Great **Credits: 4**
- HST 432 Imperial Russia **Credits: 4**
- HST 433 Soviet Russia **Credits: 4**
- HST 434 Mediterranean Worlds **Credits: 4**
- HST 435 Mediterranean Worlds **Credits: 4**
- HST 436 History of Modern Paris **Credits: 4**
- HST 437 World War II in Film **Credits: 4**
- HST 439 Colonial Cultures **Credits: 4**
- HST 447 The Early Middle Ages **Credits: 4**
- HST 448 The High Middle Ages **Credits: 4**
- HST 449 The Late Middle Ages **Credits: 4**
- HST 451 The Crusades **Credits: 4**
- HST 452 Women and Family in the Middle Ages **Credits: 4**
- HST 459 Medieval Saints & Sinners: The History of the Medieval Church **Credits: 4**
- HST 460 The Black Death **Credits: 4**
- HST 496 Empire and Environment **Credits: 4**
- HST 497 History of Fascism **Credits: 4**

## North American Studies

### Core Courses

- HST 404 Gender Issues in History, I **Credits: 4**
- HST 405 Gender Issues in History, II **Credits: 4**
- HST 417 Topics in African American History **Credits: 4**
- HST 442 America and the Middle East **Credits: 4**
- HST 454 History of the Caribbean **Credits: 4**
- HST 456 Mexico Since Independence **Credits: 4**
- HST 475 Colonial America **Credits: 4**
- HST 477 Civil War and Reconstruction **Credits: 4**
- HST 479 Challenges of Progressive Era America **Credits: 4**
- HST 480 Topics in Multicultural American History **Credits: 4**
- HST 481 American Voices: Autobiography, Biography and Memoir in American History **Credits: 4**
- HST 482 United States 1914-1945 **Credits: 4**

## Academic Programs

- HST 483 Cold War America **Credits: 4**
- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**
- HST 486 Chicano/a History **Credits: 4**
- HST 487 Canada to Confederation -1867 **Credits: 4**
- HST 488 Canada Since Confederation **Credits: 4**
- HST 489 Environmental History **Credits: 4**
- HST 490 Wests of Early America **Credits: 4**
- HST 491 Western U.S.: 20th Century Issues **Credits: 4**
- HST 492 Pacific Northwest History **Credits: 4**
- HST 493 Women in Oregon History **Credits: 4**
- HST 494 North American Constitutional History **Credits: 4**

## Satisfactory Grade Use

Program requirements can be fulfilled with a grade of S.

## Humanities, B.A.

### Mission

Humanities majors and minors explore that unique human creation, language--not only for communication but also its manifestation in culture, literary art, and philosophical and religious thought.

### Learning Outcomes

1. Creatively integrate and apply perspectives from multiple Humanities disciplines to understand language, culture, literary art, and/or religious and philosophical thought.
2. Critically analyze ideas and language in several Humanities disciplines.
3. Effectively communicate concepts studied in Humanities disciplines in writing and/or speech, adapting to meet the needs of multiple audiences.

## Core Courses

Courses in two or more of the following areas: Communication Studies (COM), English Studies (ENG, LING, LIT, WR), Humanities (HUM), Modern Languages (FR, GL, ML, SPAN), or Philosophy and Religious Studies (PHL, R). The focus areas in the major should be determined with the help of an advisor.

- At least five courses total in each of two areas;
- At least four of the five courses must be upper division courses, for a minimum of 12 credits upper division per area;

- To reach 60 total credits, electives from any of the five humanities areas may be included in the plan;
- First-year language courses will not count in the major.

*Required: 36 upper division credits, including HUM 450 Senior Capstone (1)*

## Total Credits: 60

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Information Systems, B.A.S./B.S.

**Professors:** Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse

**Associate professors:** Thaddeus Shannon

### Mission

The Information Systems degree bridges the study of business and information systems and is less theoretical than the computer science major. An academic focus is placed on the practical application of technology in support of business operation, management and decision making. Graduates receive a solid foundation in enterprise computing. Enterprise computing encompasses various types of enterprise software required to support an organization's operations and goals. We are committed to preparing graduates to become productive employees.

### Learning Outcomes

1. Design and implement information system solutions to meet organizational needs.
2. Identify opportunities and implement systems using information technology to improve organizational efficiency and productivity.
3. Manage ongoing information system operations.

## Core Courses

- IS 240 Information Management I **Credits: 4**
- IS 270 Operating Systems **Credits: 4**
- IS 278 Networks **Credits: 4**
- IS 301 Information Systems Automation **Credits: 4**
- IS 340 Information Management II **Credits: 4**
- IS 345 Systems Analysis **Credits: 4**
- IS 350 Enterprise Architecture **Credits: 4**



## Academic Programs

- IS 355 Strategy, Acquisition and Management **Credits: 4**
- IS 440 Systems Administration **Credits: 4**
- IS 470 Project Management **Credits: 4**
- IS 475 Project Implementation **Credits: 4**
- MTH 231 Elements of Discrete Mathematics I **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Choose One

- CS 123 Introduction to Information Systems **Credits: 4**
- CS 160 Survey of Computer Science **Credits: 4**

### Choose One

- One CS prefix course numbered in the range 130 through 139 inclusive
- CS 161 Computer Science I **Credits: 4**

### Choose either the Concentration or Elective Credits

#### Concentration

- Cybersecurity Concentration
- IS: Geographic Information Systems Concentration

#### Elective Credits: 16

At least 12 upper division credits.

- Approved electives include any IS course or CS course above CS 123 **and/or**
- BA 211 Financial Accounting **Credits: 4**
- MTH 232 Elements of Discrete Mathematics II **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**

### Total Credits: 76

## Cybersecurity Concentration

### Core Courses

- CS 271 Computer Organization **Credits: 4**

- IS 370 Ethical Hacking **Credits: 4**
- IS 485 Introduction to Computer Security **Credits: 4**
- IS 486 Network Security **Credits: 4**

### Total Credits: 16

#### Note:

Cybersecurity Concentration students must have a grade of C or better in courses that are used to satisfy the major requirements. Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the Computer Science division chair.

## IS: Geographic Information Systems Concentration

### Core Courses

- ES 340 Geospatial Techniques **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 343 Remote Sensing **Credits: 4**

### Total Credits: 16

#### Note:

Information Systems majors must have a grade of C or better in courses that are used to satisfy the major requirements. Students must also have a C or better in all listed prerequisite courses unless waived by the course instructor and the computer science division chair.

### Satisfactory Grade Use

Only Earth Science (ES) courses used in the IS: Geographic Information Systems Concentration may be fulfilled with a grade of S.

No other program requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any other courses that will be used in the program.

## Integrated Science Teacher Education, B.S.

**Professors:** Adele Schepige, Jeffrey Templeton

# Academic Programs

## Mission

Prepares and trains students to become effective middle and high school teachers in the area of general science, physical science and Earth and space science.

## Learning Outcomes

1. Develop content knowledge in biology, chemistry, physics and Earth/space science that is directly applicable to middle and high school level science teaching.
2. Integrate fundamental concepts across a range of science disciplines and recognize the relevance of science to the broader world.
3. Acquire reasoning and problem-solving skills through coursework and participation in authentic scientific investigations that are appropriate for future secondary level educators.

## Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**
- BI 213 Principles of Biology: Structure and Function **Credits: 4**
- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**
- ES 201 Principles of Geology **Credits: 4**
- ES 202 Principles of Geology **Credits: 4**
- ES 203 Principles of Geology **Credits: 4**
- ES 331 Introduction to Oceanography **Credits: 3**
- ES 390 Basic Meteorology **Credits: 3**
- GS 351 Elements of Astronomy **Credits: 3**
- MTH 112Z Precalculus II: Trigonometry **Credits: 4** or MTH 251 Calculus I **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

## Choose One Sequence

- PH 201 General Physics **Credits: 4**
  - and PH 202 General Physics **Credits: 4**
  - and PH 203 General Physics **Credits: 4** or
- PH 211 General Physics with Calculus **Credits: 4**
  - and PH 212 General Physics with Calculus **Credits: 4**
  - and PH 213 General Physics with Calculus **Credits: 4**

## Choose One

- BI 314 Introductory Genetics **Credits: 4**
- BI 321 Systematic Field Botany **Credits: 4**
- BI 324 Comparative Vertebrate Anatomy **Credits: 5**
- BI 330 Plant Physiology **Credits: 5**
- BI 357 General Ecology **Credits: 4**
- BI 361 Marine Ecology **Credits: 5**

## Choose One

- CH 320 Introduction to Forensic Science **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**
- CH 361 Energy, Resources and the Environment **Credits: 3**
- CH 365 Materials Chemistry **Credits: 4**

## Choose One

- ES 341 Geographic Information Systems I **Credits: 4**
- ES 354 Geology of Earthquakes **Credits: 4**
- ES 453 Geology of the Pacific Northwest **Credits: 4**
- ES 454 Volcanology **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- ES 491 Sedimentary Systems I **Credits: 4**

## Total Credits: 79-81

### Note:

This program, in isolation, does not lead to a degree in Integrated Science Teacher Education but may lead to an education degree upon completion of the professional education core in the College of Education. Requirements for admission into education programs can be obtained from the College of Education.

## Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Interdisciplinary Studies, B.A.

**Faculty advisers:** Miyuki Arimoto (Criminal Justice), William (Jeff) Armstrong (Exercise Science), Erin Baumgartner (Biology), Patricia Gimenez (Spanish), Ryan Hickerson (Philosophy), ME Lange (English Studies), Isidore Lobidne

## Academic Programs

(Social Science), Christopher Mansayon (Library), Jeff Myers (Earth and Environmental Science), Matthew Nabity (Mathematics), Emily Plec (Communication Studies)

**Academic program coordinator:** Ryan Hickerson, Jeff Myers

## Mission

The faculty at WOU recognizes the importance of meeting the needs and interests of all students. Accordingly, the Interdisciplinary Studies Program offers an opportunity to construct individualized majors based on student interests and goals.

## Learning Outcomes

1. Define learning goals.
2. Design an interdisciplinary program of study for achievement of those goals.
3. Differentiate the ways of knowing, the conventions and methods used in that program.
4. Explain appropriate theoretical and practical connections among the chosen areas of study.
5. Demonstrate reflection and self-assessment in completing the program of study.

## Core Courses

The major must include study from two or more academic areas with a minimum of 27 credits in each area, and with a minimum of 48 upper division credits among the focus areas. The major also must include IDS 499 Interdisciplinary Studies Capstone Portfolio Credits: 1.

Students work with an academic adviser to develop the program of study. Students interested in the Interdisciplinary Studies program should contact the IDS Office at 503-838-8057.

## Total Credits: 55-90

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## International Studies, B.A.

**Professors:** David Doellinger, Mary Pettenger

## Mission

To introduce students to important concepts and issues in

world affairs. Students will acquire advanced language skills and knowledge of geopolitics, history and culture. Participation in study abroad, a global internship or field research abroad prepares the student for an international career. This major is also excellent preparation for graduate study in a variety of fields that emphasize language, geopolitics, history and culture.

## Learning Outcomes

1. Apply interdisciplinary approaches to critically analyze issues of global significance.
2. Demonstrate reading, speaking and writing skills of a second language at a "general professional proficiency" level.
3. Increase cross cultural knowledge through an international experience and regional study.

## Core Courses

- ANTH 216 Cultural Anthropology **Credits: 4**
- HST 106 World History: The Modern World **Credits: 4**
- PS 203 International Relations **Credits: 4**
- SSC 404 International Experience Capstone **Credits: 2**
- SUST 101 Sustainable World **Credits: 4**

## Regional and Topical Content

### Choose One Regional Concentration

Must take at least four courses in one region to complete the concentration and 28 credits.

- African Studies Concentration
- Asian Studies Concentration
- Canadian Studies Concentration
- European Studies Concentration
- Latin American Studies Concentration

### Topical Content Credits: 0-18

Or as needed to complete 28 total credits in content.

- ANTH 370 Women Hold Up Half the Sky **Credits: 4**
- ANTH 388 Transnational Migration **Credits: 4**
- ANTH 392 Applied Anthropology **Credits: 4**
- ANTH 432 Human Rights **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**
- GEOG 370 Human Migration **Credits: 4**
- HE 465 Global Health **Credits: 4**
- HST 411 World Problems **Credits: 4**

## Academic Programs

- LING 312 Language and Society **Credits: 4**
- LIT 443 Studies in World Literatures **Credits: 4**
- LIT 454 Studies in Continental European Literature **Credits: 4**
- PHL 350 Social and Political Philosophy **Credits: 4**
- PS 204 Governments of the World **Credits: 4**
- PS 432 Global Health Policy **Credits: 4**
- PS 465 Government and Politics of the Middle East **Credits: 4**
- PS 473 Globalization Issues **Credits: 4**
- PS 486 International Organizations and Law **Credits: 4**
- PS 360 U.S. Foreign and National Security Policy **Credits: 4**
- SPAN 445 Hispanic Women Writers **Credits: 4** (when related to Latin American writers)

### Modern Language Specialization Credits: 24

Study of a second modern language (in the same language) through the third year or above of university level instruction or equivalent. First-year language courses may not be counted toward the major. International students, who speak English as a second-language and have passed an approved English language assessment test (e.g., TOEFL), can substitute

additional courses in the regional and topical areas of the major for the 24 language credits (subject to pre-approval by the International Studies adviser).

### International Experience

The major requires at least eight weeks of international experience consisting of study abroad, an international internship, and/or field research abroad, selected in consultation with and approved by the student's adviser.

**Total Credits: 70**

### African Studies Concentration

#### Core Courses

##### Choose Four

- ANTH 380 Africa **Credits: 4**
- ANTH 381 African Film & Society **Credits: 4**
- HST 442 America and the Middle East **Credits: 4**
- HST 443 Jewish North Africa **Credits: 4**
- HST 444 Colonial North Africa **Credits: 4**

- HST 445 Postcolonial North Africa **Credits: 4**
- HST 497 History of Fascism **Credits: 4**
- PS 464 Government and Politics of Africa **Credits: 4**

**Total Credits: 16**

### Asian Studies Concentration

#### Core Courses

##### Choose Four

- HST 461 History of East Asia: Traditional China **Credits: 4**
- HST 462 History of East Asia: Traditional Japan **Credits: 4**
- HST 463 Modern East Asia **Credits: 4**
- HST 467 Modern China I: Fragmentation Reform Movements in Late Imperial China **Credits: 4**
- HST 468 Modern China II: The Republic of China in the 20th Century **Credits: 4**
- HST 469 Modern China III: People's Republic of China, Confucianism and Socialism **Credits: 4**
- HST 472 Women in Chinese Society **Credits: 4**
- HST 473 Popular Culture in China **Credits: 4**
- HST 474 Popular Culture in Japan **Credits: 4**
- PS 457 Government and Politics of Europe and Asia **Credits: 4**
- R 201 Introduction to the World's Religions: Eastern **Credits: 4**

**Total Credits: 16**

### Canadian Studies Concentration

#### Core Courses

##### Choose Four

- ANTH 494 Northwest Native Nations **Credits: 4**
- ANTH 496 Indian America **Credits: 4**
- HST 487 Canada to Confederation -1867 **Credits: 4**
- HST 488 Canada Since Confederation **Credits: 4**
- HST 494 North American Constitutional History **Credits: 4**

**Total Credits: 16**

## Academic Programs

### European Studies Concentration

Including French and German studies

#### Core Courses

##### Choose Four

- FR 340 Topics in French Arts and Culture **Credits: 3**
- FR 410 Topics in French Language and Literature **Credits: 3**
- FR 440 Topics in French Civilization and Culture **Credits: 3**
- GL 310 German Film and Conversation **Credits: 4**
- GL 320 Business German **Credits: 3**
- GL 340 German Culture and Civilization I: From the Romans to the Enlightenment **Credits: 3**
- GL 341 German Culture and Civilization II: From Classicism to Reunification **Credits: 3**
- GL 342 Studies in German Culture and Literature to 1900 **Credits: 3**  
or HUM 325 Studies in German Culture and Literature to 1900 **Credits: 3**
- GL 343 Studies in German Culture and Literature to 1945 **Credits: 3**  
or HUM 343 Studies in German Culture and Literature to 1945 **Credits: 3**
- GL 344 Studies in German Culture and Literature to the Present **Credits: 3**
- or HUM 344 Studies in German Culture and Literature to 1990s **Credits: 3**
- GL 423 Studies in German Language and Literature **Credits: 2-6**
- HST 422 Germany: The 19th Century **Credits: 4**
- HST 423 Germany 1914 to 1945 **Credits: 4**
- HST 424 Postwar German History **Credits: 4**
- HST 425 Modern France: Revolution and Napoleon **Credits: 4**
- HST 426 Modern France: 19th Century **Credits: 4**
- HST 427 Modern France: 20th Century **Credits: 4**
- HST 431 Russia to Peter the Great **Credits: 4**
- HST 432 Imperial Russia **Credits: 4**
- HST 433 Soviet Russia **Credits: 4**
- HST 436 History of Modern Paris **Credits: 4**
- HST 438 European Imperialisms **Credits: 4**
- HST 439 Colonial Cultures **Credits: 4**
- PHL 314 Modern European Philosophy **Credits: 4**
- PHL 316 Contemporary Philosophy **Credits: 4**
- PHL 321 Existentialism **Credits: 4**
- PHL 323 Continental Philosophy **Credits: 4**

- PS 457 Government and Politics of Europe and Asia **Credits: 4**
- PS 461 Politics and Government of Post-Communist States **Credits: 4**
- R 204 Introduction to the World's Religions: Western **Credits: 4**
- SPAN 338 Multicultural Spain: History, Film and Politics **Credits: 4**
- SPAN 370 Don Juan, Witches and Bold Nuns: Gender in Spanish Literature and Film **Credits: 4**
- SPAN 414 Mestizaje and Cultural Contact in Hispanic Societies **Credits: 4**
- SPAN 415 Love, War, Social Change: Contemporary Spanish Literature and Film **Credits: 4**
- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4**

Total Credits: 12-16

### Latin American Studies Concentration

#### Core Courses

##### Choose Four

- ANTH 332 Latin America **Credits: 4**
- GEOG 371 Mexico and Central America **Credits: 4**
- HST 453 Pre-Columbian and Colonial Latin America **Credits: 4**
- HST 454 History of the Caribbean **Credits: 4**
- HST 455 Modern Latin America **Credits: 4**
- HST 457 The Cuban Revolution **Credits: 4**
- HST 458 History of Inter-American Relations **Credits: 4**
- PS 360 U.S. Foreign and National Security Policy **Credits: 4**
- SOC 450 Latin American Society **Credits: 4**
- SPAN 339 Colonial Latino Literature and Culture **Credits: 4**
- SPAN 340 Mexican Literature and Culture **Credits: 4**  
or HUM 340 Hispanic Culture and Civilization: Mexico **Credits: 4**
- SPAN 360 Introduction to Hispanic Literatures **Credits: 4**
- SPAN 371 Contemporary Latino Literature and Culture **Credits: 4**
- SPAN 443 Topics in Latin American Literature **Credits: 4**
- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4**

## Academic Programs

- SPAN 491 Studies in Latino Literature **Credits: 4**

Total Credits: 15-16

### Satisfactory Grade Use

Program requirements are **not** fulfilled with a grade of S. Do **not** select Satisfactory/No Credit grading for any classes that will be used in the program.

### Interpreting Studies: Theory, B.S.

**Professors:** Elisa Maroney, Amanda Smith

### Mission

To improve the quality and quantity of pre-interpreting professionals who will serve & collaborate with community members and professionals by educating students in communication, human relations, and ethical reasoning.

### Learning Outcomes

1. Demonstrate the academic foundation and world knowledge essential to understand and navigate the world around them.
2. Develop critical analysis skills including situational assessment; ethical reasoning; cultural intelligence lens, and research methodologies.
3. Demonstrate collaborative and cooperative abilities when engaging with colleagues, community members, and other teams.
4. Integrate academic foundation, world knowledge, critical analysis skills, communication skills, and language fluency by engaging meaningfully, collaboratively, and intentionally in communicative interactions.

### Core Courses

- INT 120 Interpersonal Aspects of Interpreting **Credits: 3**
- INT 220 Environmental Aspects of Interpreting **Credits: 4**
- INT 242 Interpreter Mindset Seminar **Credits: 2**
- INT 254 Introduction to the Profession of Interpreting **Credits: 3**
- INT 320 Intrapersonal Aspects of Interpreting **Credits: 4**
- INT 361 Pre-Interpreting Skills Development **Credits: 3**

- INT 392 Language Variation in Signed Language Interpreting **Credits: 4**
- INT 409 Practicum: Interpreting **Credits: 1-12 Credits: 3**

### Choose One Concentration

- American Sign Language Studies Concentration
- English Language Concentration
- Spanish Language Concentration

### Interpreting Studies: Theory coursework

Upon successful application and acceptance to senior year coursework.

- INT 440 Ethics and Decision Making for Interpreters **Credits: 4**
- INT 450 Theory & Practice of Interpreting I **Credits: 4**
- INT 451 Theory and Practice of Interpreting II **Credits: 4**
- INT 452 Theory and Practice of Interpreting III **Credits: 4**
- INT 460 Current Issues for Interpreters **Credits: 4**
- INT 462 Business Aspects of Interpreting **Credits: 4**
- INT 465 Interpreting In Community Settings **Credits: 4**
- INT 469 Cultural Intelligence in a Diverse World **Credits: 4**

Total Credits: 88-112

### American Sign Language Studies Concentration

#### Core Courses

- ASL 101 American Sign Language I **Credits: 3-4**
- ASL 102 American Sign Language II **Credits: 3-4**
- ASL 103 American Sign Language III **Credits: 3-4**
- ASL 201 American Sign Language IV **Credits: 4**
- ASL 202 American Sign Language V **Credits: 4**
- ASL 203 American Sign Language VI **Credits: 4**
- ASL 301 American Sign Language VII **Credits: 4**
- ASL 302 American Sign Language VIII **Credits: 4**
- ASL 303 American Sign Language IX **Credits: 4**
- ASL 315 American Deaf Culture **Credits: 3**
- ASL 353 Linguistics of ASL **Credits: 4**
- ASL 429 American Deaf History **Credits: 3**

## Academic Programs

- ASL 456 First and Second Language Acquisition: Deaf and Hard of Hearing **Credits: 3**

### Upper Division ASL Language Elective

Credits: 6

Total Credits: 30 - 54

#### Note

Students who test into ASL 301 bypass ASL 101-203.

## English Language Concentration

### Core Courses

- ANTH 325 Ethnographic Methods **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**
- LING 312 Language and Society **Credits: 4**
- LING 315 Structure of English I **Credits: 4**
- LING 350 Linguistics in the Digital Age **Credits: 4**
- LING 370 Meaning and Context **Credits: 4**
- LING 490 History of the English Language **Credits: 4**
- LIT 386 Form and Meaning in Film **Credits: 4**

### Upper Division English Language Elective

Credits: 6

Total Credits: 38

#### Note

Upper-division Linguistics classes require prerequisite courses. The total credits you will need to complete in this concentration will depend on your preexisting education.

## Spanish Language Concentration

### Core Courses

- SPAN 328 Introduction to Chicano Literature and Culture **Credits: 4**
- SPAN 350 Spanish Pronunciation and Phonetics **Credits: 4**
- SPAN 379 Introduction to Spanish Linguistics **Credits: 4**

- SPAN 385 Introduction to Translation and Interpreting **Credits: 4**
- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4**
- SPAN 481 Spanish Sociolinguistics **Credits: 4**
- SPAN 482 Spanish as a World Language **Credits: 4**
- SPAN 483 Spanish in the United States **Credits: 4**

### Upper Division Spanish Language Elective

Credits: 6

Total Credits: 38

#### Note

Upper-division Spanish classes require prerequisite courses. The total credits you will need to complete in this concentration will depend on your preexisting language education or experience.

#### Note

Interpreting Studies: Theory majors must have a grade of B or better in INT courses.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Language Arts Teacher Education, B.S.

### Mission

Drawing on work in linguistics, literature, writing and communication studies, prepares students to teach secondary-level language arts.

### Learning Outcomes

1. Apply linguistic principles, composition theory/practice and methods of literary analysis.
2. Relate oral and written communication, literature and linguistics content to secondary-level pedagogical best practices.
3. Analyze the rhetorical power and aesthetic potential of language.

### Core Courses

## Academic Programs

Complete Gen Ed writing requirement before taking LIT or WR courses

### Literature and Theory

- ED 240 Young Adult Literature in Diverse Classrooms **Credits: 3**
- LIT 317 Introduction to Literary Studies I **Credits: 4**

### Choose Two

At Least One from Each Sequence.

- LIT 204 Survey of British Literature I **Credits: 4**
- LIT 205 Survey of British Literature II **Credits: 4**
- LIT 206 Survey of British Literature III **Credits: 4**
- LIT 253 Survey of American Literature I **Credits: 4**
- LIT 254 Survey of American Literature II **Credits: 4**

### Choose One

- LIT 439 Studies in U.S. Minority Literature **Credits: 4**
- LIT 443 Studies in World Literatures **Credits: 4**

### Minimum Credits: 12

- Upper Division literature (LIT 301 highly recommended; no courses from LIT 380 - LIT 387)

### Linguistics

- LING 310 Introduction to Linguistics **Credits: 4**
- LING 315 Structure of English I **Credits: 4**

### Choose One

- LING 312 Language and Society **Credits: 4**
- LING 370 Meaning and Context **Credits: 4**
- LING 450 Linguistic Analysis of Style and Genre **Credits: 4**
- LING 490 History of the English Language **Credits: 4**

### Writing

- WR 230 Introduction to Writing Studies **Credits: 4**

### Minimum Credits: 8

- Upper Division writing courses, at least one non-creative writing course, WR 440 recommended.

### Communication

- COM 342 Media Literacy **Credits: 4**

### Choose One

- COM 321 Influence Through Argument **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**
- COM 412 Analyzing Popular Culture **Credits: 4**
- COM 422 Persuasion **Credits: 4**
- COM 432 Music and Rhetoric **Credits: 4**

### Total Credits: 63

#### Note:

This major does not lead to a language arts degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into education programs can be obtained from the College of Education.

#### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

### Liberal Studies, B.A.S.

### Mission

The Bachelor of Applied Science (BAS) in Liberal Studies is a degree completion program for students who hold an Associate of Applied Science degree or other career and technical education (CTE) Associate's degree. Undergraduate students complete their 4-year degree by achieving Western Oregon University's learning outcomes through an innovative curriculum comprised primarily of 300- and 400-level course work that includes multidisciplinary foundations, scientific approaches, humanistic approaches, and creative approaches. The program culminates with an integrative capstone experience. Within the program, students have flexibility to pursue topics of special interest to them across disciplinary fields.

### Learning Outcomes



## Academic Programs

1. Practice different and varied forms of knowledge, inquiry, and expression that frame academic and applied learning.
2. Articulate the challenges, responsibilities and privileges of belonging in a complex, diverse, interconnected world.
3. Demonstrate the ability to evaluate information and develop evidence-based conclusions.
4. Integrate perspectives and strategies across disciplines to answer questions and solve problems.
5. Demonstrate reflection and self-assessment in completing the self-defined, multidisciplinary program of study that achieves your learning goals.

## Core Courses

- LS 300 Seminar on Multidisciplinary Learning **Credits: 2**
- LS 499 Capstone **Credits: 4**
- WR 121Z Composition I **Credits: 4**
- WR 122Z Composition II **Credits: 4**  
or WR 227Z Technical Writing **Credits: 4**

## Choose One

- MTH 105Z Math in Society **Credits: 4**
- MTH 110 Applied College Mathematics **Credits: 4**
- MTH 111Z Precalculus I: Functions **Credits: 4**

## Scientific Approaches Credits: 15-16

Scientific Approaches courses, pre-approved by the program, including at least 4 credits of laboratory science.

## Humanistic Approaches Credits: 15-16

Humanistic Approaches courses, pre-approved by the program.

## Creative Approaches Credits: 12

Creative Approaches courses, pre-approved by the program.

## Applied Approaches Credits: 15-16

Applied Approaches, drawn from pre-approved upper division offerings in scientific, humanistic and artistic approaches or from applied fields.

## Elective Credits: 12-15

Students will work closely with advisors to identify pre-approved courses that satisfy breadth requirements and to plan an academic program that includes sufficient upper division course work to enable the student to complete 62 upper division credits within the 90-credit program.

## Total Credits: 90

### Note:

Scientific approaches courses are drawn from pre-approved courses in Biology, Chemistry, Earth Science, and Physics. Courses from other disciplines that take a scientific approach may also be pre-approved for inclusion in this area.

Humanistic approaches courses are drawn from pre-approved courses in Literature, Linguistics, History, Cultural Anthropology, Philosophy, Religious Studies, Communication Studies, Cultural Geography, Sociology, Languages, Interpreting, and Art History. Courses from other disciplines that take a humanistic approach may also be pre-approved for inclusion in this area.

Creative approaches courses are drawn from pre-approved courses in Art, Theatre, Dance, Music, Creative Writing, Visual Communication Design, Visual Anthropology and New Media Studies. Courses from other disciplines that take a creative approach may also be pre-approved for inclusion in this area.

Applied approaches courses are from pre-approved upper division offerings in scientific, humanistic and artistic approaches (see above) or other applied fields.

## Satisfactory Grade Use

Elective Credits 12-15 may be fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any other courses that will be used in the program.

## Mathematics Teacher Education, B.S.

**Professors:** Cheryl Beaver, Scott Beaver, Matthew Nabity  
**Associate professors:** Ben Côté, Matthew Ciancetta, Leanne Merrill

## Mission

Teaching of mathematics and the communication of mathematical ideas. Faculty members believe that both the assimilation of mathematical knowledge and the enhancement of one's capacity for mathematical reasoning are essential outcomes of a liberal arts education.

## Learning Outcomes

1. Demonstrate the effective use of mathematical skills to solve quantitative problems from a wide array of

## Academic Programs

authentic contexts.

2. Demonstrate the ability to make rigorous mathematical arguments in axiomatic and nonaxiomatic systems.
3. Demonstrate effective written communication of mathematical concepts.

## Core Courses

- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**
- MTH 253 Calculus III: Sequences and Series **Credits: 4**
- MTH 254 Multivariate Calculus **Credits: 4**
- MTH 280 Introduction to Proof **Credits: 4**
- MTH 311 Advanced Calculus I **Credits: 4**
- MTH 337 Geometry **Credits: 4**
- MTH 341 Linear Algebra I **Credits: 4**
- MTH 344 Group Theory **Credits: 4**
- MTH 354 Applied Discrete Mathematics **Credits: 4**
- MTH 365 Mathematical Probability **Credits: 4**
- MTH 366 Mathematical Statistics **Credits: 4**

## Choose One

- CS 133 Introduction to Python Programming **Credits: 4**
- CS 161 Computer Science I **Credits: 4**

## Choose One

- MTH 345 Ring Theory **Credits: 4**
- MTH 346 Number Theory **Credits: 4**

## Choose One

- MTH 403 Mathematics Senior Capstone **Credits: 1-8**
- MTH 406 Special Topics in Mathematics **Credits: 4**

## Upper Division Mathematics Elective Credits: 4

One course approved by the adviser.

**Total Credits: 64**

**Note:**

Mathematics Teacher Education majors must have a grade of C- or better in courses that are used to satisfy the major requirements.

This major does not lead to a mathematics degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into education programs can be obtained from the College of Education.

## Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Mathematics, B.S.

**Professors:** Cheryl Beaver, Scott Beaver, Matthew Nabity  
**Associate professors:** Ben Coté, Matthew Ciacetta, Leanne Merrill

## Mission

Teaching of mathematics and the communication of mathematical ideas. Faculty members believe that both the assimilation of mathematical knowledge and the enhancement of one's capacity for mathematical reasoning are essential outcomes of a liberal arts education.

## Learning Outcomes

1. Demonstrate the effective use of mathematical skills to solve quantitative problems from a wide array of authentic contexts.
2. Demonstrate the ability to make rigorous mathematical arguments in axiomatic and nonaxiomatic systems.
3. Demonstrate effective written communication of mathematical concepts.

## Core Courses

- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**
- MTH 253 Calculus III: Sequences and Series **Credits: 4**
- MTH 254 Multivariate Calculus **Credits: 4**
- MTH 280 Introduction to Proof **Credits: 4**
- MTH 311 Advanced Calculus I **Credits: 4**
- MTH 312 Advanced Calculus II **Credits: 4**
- MTH 341 Linear Algebra I **Credits: 4**

## Academic Programs

- MTH 344 Group Theory **Credits: 4**
- MTH 365 Mathematical Probability **Credits: 4**
- MTH 366 Mathematical Statistics **Credits: 4**

### Choose One

- MTH 337 Geometry **Credits: 4**
- MTH 346 Number Theory **Credits: 4**
- MTH 355 Discrete Mathematics **Credits: 4**
- MTH 441 Linear Algebra II **Credits: 4**

### Choose One

- CS 133 Introduction to Python Programming **Credits: 4**
- CS 161 Computer Science I **Credits: 4**

### Choose 8 Credits

- MTH 403 Mathematics Senior Capstone **Credits: 1-8**
- MTH 406 Special Topics in Mathematics **Credits: 4**

### Choose One Concentration

- Applied Mathematics Concentration
- Mathematics Concentration

Total Credits: 76

## Applied Mathematics Concentration

### Core Courses

#### Choose Three

- MTH 314 Differential Equations **Credits: 4**
- MTH 351 Introduction to Numerical Analysis **Credits: 4**
- MTH 354 Applied Discrete Mathematics **Credits: 4**
- MTH 358 Mathematical Modeling **Credits: 4**
- MTH 363 Operations Research **Credits: 4**

Upper Division Elective Credits: 4

One approved upper division mathematics elective.

Total Credits: 16

## Mathematics Concentration

### Core Courses

- MTH 345 Ring Theory **Credits: 4**

Upper Division Mathematics Elective  
Credits: 12

Three courses approved by the adviser.

Total Credits: 16

### Note:

Mathematics majors must have a grade of C- or better in courses that are used to satisfy the major requirements.

### Satisfactory Grade Use

Between the major and the concentration a total of up to 16 credits of Mathematics may be fulfilled with a grade of S.

## Music, B.A.

**Professors:** Dirk Freymuth, Ike Nail, Kevin Walczyk

## Mission

The Music Department offers comprehensive programs and services to students and the surrounding community, including professional and liberal arts degrees in music and an active schedule of performances. The department supports large and small ensembles in vocal and instrumental music and up-to-date facilities for electronic music production and recording. Course offerings lead to degrees with concentrations in composition, jazz studies and music education.

## Learning Outcomes

1. Demonstrate artistic proficiency for music careers such as performance, composition, writing, production, research and teaching.
2. Possess an awareness of the role of music arts in society.

## Academic Programs

3. Produce scholarly creative projects, solve professional problems independently and demonstrate a well-developed intellectual/aesthetic focus.

### Note:

All coursework in music must be met with a grade of C or better. Only one ensemble per term may be used to satisfy the MUEN requirement.

## Core Courses

- MUS 111 Music Theory I: Tonality **Credits: 3**
- MUS 112 Music Theory II: Counterpoint **Credits: 3**
- MUS 113 Music Theory III: Form & Analysis **Credits: 3**
- MUS 114 Aural Skills I **Credits: 1**
- MUS 115 Aural Skills II **Credits: 1**
- MUS 116 Aural Skills III **Credits: 1**
- MUS 211 Music Theory IV: Chromatic Harmony **Credits: 3**
- MUS 212 Music Theory V: Post Tonal Systems **Credits: 3**
- MUS 213 Music Theory VI: Analysis of 20th and 21st Century Literature **Credits: 3**
- MUS 214 Aural Skills IV **Credits: 1**
- MUS 215 Aural Skills V **Credits: 1**
- MUS 216 Aural Skills VI **Credits: 1**
- MUS 220 Improvisation **Credits: 2**

## Conducting

### Choose One

- MUS 320 Instrumental Conducting **Credits: 3**
- MUS 321 Choral Conducting **Credits: 3**

## Musicology

- MUS 204 Ethnomusicology **Credits: 3**

### Choose Five

- MUS 201 History of Western Classical Music: Antiquity to Baroque **Credits: 3**
- MUS 202 History of Western Classical Music: Enlightenment to Romantic **Credits: 3**
- MUS 203 History of Western Classical Music: 20th Century to Present **Credits: 3**

- MUS 267 Music in America: 1800-1945 **Credits: 3**
- MUS 268 Music in America: 1945-1967 **Credits: 3**
- MUS 269 Music in America: 1967-Present **Credits: 3**

## Music Performance

- MUP 105-MUP 140 Music Performance Credits: 12\*

### Note:

\* Must pass exit jury.

## Music Ensemble

- MUEN 101-MUEN 192 Music Ensemble Credits: 6

## Professional Development

- MUP 110 Music Performance - Audio Production **Credits: 2-4**
- MUS 160 Digital Music Notation **Credits: 1**
- MUS 250 Concert Attendance **Credits: 0** Terms: 9
- MUS 345 Careers in Music **Credits: 3**
- MUS 404 Capstone Project **Credits: 0**  
Complete 3 credits over 3 terms in:
- MUS 406 Special Individual Studies **Credits: 1-12**

## Total Credits: 74

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Music, B.M.

**Professors:** Dirk Freymuth, Ike Nail, Kevin Walczyk

## Mission

The Music Department offers comprehensive programs and services to students and the surrounding community, including professional and liberal arts degrees in music and an active schedule of performances. The department supports large and small ensembles in vocal and instrumental music and up-to-date facilities for electronic music production and recording. Course offerings lead to degrees with concentrations in composition, jazz studies, and music education.

# Academic Programs

## Learning Outcomes

1. Demonstrate artistic proficiency for music careers such as performance, composition, writing, production, research and teaching.
2. Possess an awareness of the role of music arts in society.
3. Produce scholarly creative projects, solve professional problems independently and demonstrate a well-developed intellectual/ aesthetic focus.

### Note:

All coursework in music must be met with a grade of C or better. Only one ensemble per term may be used to satisfy the MUEN requirement.

## Core Courses

- MUS 111 Music Theory I: Tonality **Credits: 3**
- MUS 112 Music Theory II: Counterpoint **Credits: 3**
- MUS 113 Music Theory III: Form & Analysis **Credits: 3**
- MUS 114 Aural Skills I **Credits: 1**
- MUS 115 Aural Skills II **Credits: 1**
- MUS 116 Aural Skills III **Credits: 1**
- MUS 211 Music Theory IV: Chromatic Harmony **Credits: 3**
- MUS 212 Music Theory V: Post Tonal Systems **Credits: 3**
- MUS 213 Music Theory VI: Analysis of 20th and 21st Century Literature **Credits: 3**
- MUS 214 Aural Skills IV **Credits: 1**
- MUS 215 Aural Skills V **Credits: 1**
- MUS 216 Aural Skills VI **Credits: 1**
- MUS 220 Improvisation **Credits: 2**
- MUS 250 Concert Attendance **Credits: 0** Terms: 9

## Choose One

- MUS 320 Instrumental Conducting **Credits: 3**
- MUS 321 Choral Conducting **Credits: 3**

## Musicology

- MUS 204 Ethnomusicology **Credits: 3**

## Choose Five

- MUS 201 History of Western Classical Music: Antiquity to Baroque **Credits: 3**
- MUS 202 History of Western Classical Music: Enlightenment to Romantic **Credits: 3**
- MUS 203 History of Western Classical Music: 20th Century to Present **Credits: 3**
- MUS 267 Music in America: 1800-1945 **Credits: 3**
- MUS 268 Music in America: 1945-1967 **Credits: 3**
- MUS 269 Music in America: 1967-Present **Credits: 3**

## Music Performance

**Concentrations require additional MUP courses. See areas of concentration for required courses.**

- MUP 105-MUP 140 **Credits: 2-4\*** Credits: 12

\*Must pass exit jury

## Music Ensemble

**Concentrations require additional MUEN courses. See areas of concentration for required courses.**

- MUEN 101-MUEN 192 **Credits: 1** Credits: 6

## Choose Additional Requirements or a Concentration

Complete the Additional Requirements **or** a Concentration, *not both*.

## Additional Requirements

- MUEN 301-MUEN 392 **Credits: 1** Credits: 6
  - MUP 305-MUP 340 **Credits: 2-4\*** Credits: 12
  - MUP 110 Music Performance - Audio Production **Credits: 2-4**
  - MUS 304 Junior Recital **Credits: 0**
  - MUS 345 Careers in Music **Credits: 3**
  - MUS 404 Capstone Project **Credits: 0**
- \*In primary performance area

## Upper-Division Elective Credits: 31

- MUE 318-MUE 454
- MUEN 301-MUEN 392 Credits: 6\*
- MUP 305-MUP 340 Credits: 6\*\*
- MUS 304-MUS 473

### Note:

## Academic Programs

\* Not to exceed 6 credits above the ensemble requirements already required.

\*\* In secondary performance area, not to exceed 6 credits in addition to the 12 credits required in MUP 305.

Primary and secondary performance areas to be defined and tracked in close consultation with your advisor.

### Choose One Concentration

- Composition Concentration
- Jazz Studies Concentration
- K-12 Music Education Concentration
- Music Therapy Concentration

#### Note:

To complete your K-12 teaching license, you must complete the Core Courses and Initial Licensure Professional Education Core listed in the Education, Middle Level/High School Teaching Preparation program.

**Total Credits: 119-179**

### Composition Concentration

**Adviser:** Kevin Walczyk

#### Core Courses

- MUS 371 Orchestration I **Credits: 3**
- MUS 372 Orchestration II **Credits: 3**
- MUS 373 Orchestration III **Credits: 3**
- MUS 404 Capstone Project **Credits: 0**
- MUS 409 Practicum **Credits: 1-12** Credits: 3
- MUS 411 Contemporary Composition Techniques I **Credits: 2**
- MUS 412 Contemporary Composition Techniques II **Credits: 2**
- MUS 413 Contemporary Composition Techniques III **Credits: 2**
- MUS 414 Jazz Theory **Credits: 3**
- MUS 415 Jazz Arranging I **Credits: 3**
- MUS 416 Jazz Arranging II **Credits: 3**
- MUS 421 Music Media Production I **Credits: 3**
- MUS 422 Music Media Production II **Credits: 3**
- MUS 423 Music Media Production III **Credits: 3**

### Music Performance

- MUP 315 Music Performance - Composition **Credits: 2-4** Credits: 9

#### Note:

Must pass exit jury.

### Music Ensemble

- MUEN 301-MUEN 392 **Credits: 6**

#### Note:

Must pass exit jury.

### Upper Division Elective Credits: 4

- MUE 318-MUE 454
- MUEN 301-MUEN 392
- MUP 305-MUP 340 Credits: 4 \*
- MUS 304-MUS 473

#### Note:

\* In secondary performance area, not to exceed 4 credits.

Primary and secondary performance areas to be defined and tracked in close consultation with your advisor.

**Total Credits: 55**

### Jazz Studies Concentration

**Advisers:** Keith Karns

#### Core Courses

- MUS 150 Digital Audio Workstation **Credits: 1** Credits: 3
- MUS 271 Jazz Improvisation I **Credits: 3**
- MUS 272 Jazz Improvisation II **Credits: 3**
- MUS 273 Jazz Improvisation III **Credits: 3**
- MUS 304 Junior Recital **Credits: 0**
- MUS 322 Jazz Methods **Credits: 3**
- MUS 345 Careers in Music **Credits: 3**
- MUS 380 Recording Session Preparation for Performing Musicians **Credits: 3**
- MUS 383 Advanced Music Production **Credits: 3**

## Academic Programs

### Music Performance

- MUP 305-MUP 340 Music Performance **Credits: 2-4**  
Credits: 12

#### Note:

Must pass exit jury.

### Music Ensemble

- MUEN 301-MUEN 392 Music Ensemble **Credits: 1**  
Credits: 6

### Upper Division Elective Credits: 13

- MUE 318-MUE 454
- MUEN 301-MUEN 392 Credits: 4\*
- MUP 305-MUP 340 Credits: 4\*\*
- MUS 304-MUS 473

#### Note:

\* Not to exceed 4 credits above the ensemble requirements already required.

\*\* In secondary performance area, not to exceed 4 credits in addition to the 12 credits required in MUP 305-MUP 340 in the primary performance area.

Primary and secondary performance areas to be defined and tracked in close consultation with your advisor.

### Total Credits: 55

### K-12 Music Education Concentration

**Advisers:** Dirk Freymouth, Kevin Walczyk

### Core Courses

#### Choose One

One additional conducting course.

- MUS 320 Instrumental Conducting **Credits: 3**
- MUS 321 Choral Conducting **Credits: 3**

### Applied Music

- MUEN 301-MUEN 392 Music Ensembles **Credits: 1**  
Credits: 3
- MUP 305-MUP 340 Music Performance **Credits: 2-4**  
Credits: 6\*
- MUS 304 Junior Recital **Credits: 0\*\***

#### Note:

\* Must pass exit jury.

\*\* The Junior Recital must be passed before entry into the licensure year in the College of Education.

### Music Education

- MUE 201 Introduction to Music Education **Credits: 3**
- MUE 250 Music Education Seminar **Credits: 0**  
Terms: 9
- MUE 451 Woodwind Pedagogy **Credits: 2**
- MUE 452 Brass Techniques **Credits: 2**
- MUE 453 Percussion Techniques **Credits: 2**
- MUE 454 String Techniques **Credits: 2**
- MUS 454 Vocal Pedagogy **Credits: 3**

#### Choose One

- MUE 318 Music for the Classroom Teacher **Credits: 3**
- MUS 322 Jazz Methods **Credits: 3**
- MUS 455 Lyric Diction **Credits: 3**

#### Choose One

- MUE 401 Music in Early Childhood **Credits: 3**
- MUE 402 Mariachi Pedagogy & Literature **Credits: 3**
- MUS 428 Choral Literature **Credits: 3**
- MUS 429 Literature for Instrumental Ensembles **Credits: 3**

### Education and Professional Core

- ED 200 Foundations of Education **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**
- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**

## Academic Programs

- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 434 Content Pedagogy I **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**
- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 412 Clinical Experience II **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 436 Content Pedagogy II **Credits: 3**
- ED 444 Content Literacy **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**
- ED 429 Professional Development Seminar III **Credits: 2**
- ED 498 Clinical Experience III **Credits: 10**

Total Credits: 90

## Music Therapy Concentration

### Core Courses

- MT 201 Introduction to Music Therapy **Credits: 3**
- MT 301 Music Therapy Practicum **Credits: 1** Credits: 6
- MT 311 Clinical Processes I **Credits: 2**
- MT 312 Clinical Processes II **Credits: 2**
- MT 320 Music Therapy in Theory & Practice for Children **Credits: 3**
- MT 321 Music Therapy in Theory & Practice for Adults **Credits: 3**
- MT 330 Clinical and Professional Issues I **Credits: 1**
- MT 331 Clinical and Professional Issues II **Credits: 1**

Note:

A student must receive a B- or better to move on to the next term of Practicum.

A student must receive a C or better in all degree specific coursework and an overall GPA of 3.0 to be admitted into the Clinical Internship Year.

### Clinical Internship

- MT 481 Clinical Internship **Credits: 12** Credits: 36

Note:

Students must successfully complete three terms (1 year) of Clinical Internship with a B- or better.

## Music

- MUE 453 Percussion Techniques **Credits: 2**
- MUS 142 Guitar Class I **Credits: 2**
- MUS 143 Guitar Class II **Credits: 2**
- MUS 150 Digital Audio Workstation **Credits: 1**
- MUS 279 Songwriting **Credits: 2**
- MUS 450 Psychology of Music **Credits: 3**
- MUS 454 Vocal Pedagogy **Credits: 3**

## Applied Music

- MUEN 301-MUEN 392 Music Ensembles Credits: 6
- MUP 305-MUP 340 Music Performance Credits: 6\*
- MUS 304 Junior Recital **Credits: 0** Credits: 0\*\*

Note:

\* Must pass exit jury.

\*\* The Junior Recital must be passed before entry into the Clinical Internship Year.

## Additional Requirements

- BI 134 Introductory Human Anatomy and Physiology **Credits: 4**
- D 300 Human Movement Analysis **Credits: 3**
- GERO 484 Death, Dying and Grief **Credits: 4**
- PSY 201 General Psychology **Credits: 4**
- PSY 202 General Psychology **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

## Choose One

- PSY 311 Developmental Psychology **Credits: 4**
- PSY 328 Mental Health **Credits: 4**
- PSY 450 Psychopathology **Credits: 4**

Total Credits: 114

Note:

The concentration in Music Therapy is a concentration option as part of the Bachelor of Music degree program at Western Oregon University. Students completing this concentration as part of the BM in Music will meet all AMTA requirements to sit



## Academic Programs

for the CBMT licensure test in Music Therapy. Successful completion of this concentration, degree program, and successfully passing the board licensure examination will allow graduates to practice as board licensed music therapists in Oregon and throughout the United States.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Physical Education Teacher Education, B.S.

**Professors:** Jeffrey Armstrong, Marita Cardinal, Gay Timken  
**Associate professors:** Laura Ellingson-Sayen, Jennifer Taylor-Winney

### Mission

To maximize individual and professional development in health and movement science and to promote healthy lifestyles and communities.

### Learning Outcomes

Relative to physical activity, physical fitness and motor skill development programs, candidates will:

1. The graduate will be able to apply research-based knowledge and principles of Exercise Science under a variety of individual, environmental, and task constraints.
2. The graduate will be able to design, implement and assess effective exercise programs and interventions using a diverse range of equipment facilities and pedagogical resources and methods.
3. The graduate will demonstrate appropriate professional skills and ethics.
4. The graduate will demonstrate sensitivity in their interactions and professional practice with individuals from diverse physiological, intellectual, emotional, philosophical, social, economic, racial, gender, and cultural backgrounds.

### Core Courses

- EXS 230 Foundations of Exercise Science **Credits: 4**
- EXS 310 Motor Behavior **Credits: 4**

- EXS 370 Sociological and Psychological Aspects of Physical Activity **Credits: 4**
- EXS 371 Biomechanics **Credits: 4**
- EXS 373 Physiology of Exercise **Credits: 4**
- EXS 383 Kinesiology **Credits: 4**
- EXS 444 Lifespan Adapted Physical Activity **Credits: 4**
- EXS 490 Research Methods **Credits: 4**
- HE 426 Sports and Exercise Nutrition **Credits: 4**

## Physical Education Teacher Education Core

- EXS 330 Teaching Elementary Physical Education **Credits: 4**
- EXS 430 Teaching Secondary Physical Education **Credits: 4**
- EXS 431 Assessment Strategies In Physical Education **Credits: 4**
- EXS 445 Curricular Issues in Physical Education **Credits: 4**

### Activity Core

- EXS 239 Movement Education **Credits: 3**
- EXS 240 Dance in Physical Education **Credits: 3**
- EXS 241 Teaching Games for Understanding **Credits: 3**
- EXS 242 Sport Education Model **Credits: 3**
- EXS 243 Outdoor Pursuits & Adventure Based Learning **Credits: 3**
- EXS 244 Group Exercise Leadership **Credits: 3**
- EXS 245 Foundations of Strength Training and Conditioning **Credits: 4**

## Total Credits: 74

### Note:

Exercise science majors must have a grade of C- or better in courses used to satisfy requirements of the major.

BI 234, BI 235, and BI 236, Human Anatomy and Physiology, are prerequisites to several major required and elective courses. See course descriptions for specific prerequisites.

This major does not lead to a degree but instead, leads into the clinical student teaching program in the College of Education. Pre-education courses are required prior to clinical student teaching. Upon successful completion of the professional education core and clinical student teaching, students receive

## Academic Programs

a degree in Education with a focus in physical education. Requirements for admission into education programs can be obtained from the College of Education.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S, including Education courses.

Do not select Satisfactory/No Credit grading for any courses that will be used in EXS or ED classes.

## Political Science, B.A.

**Professors:** Eliot Dickinson, Mary Pettenger

**Associate professor:** Earlene Camarillo

### Mission

To serve students through teaching and mentoring, serve society through research, public outreach and activities and serve the university through collegial participation in all aspects of the community.

### Learning Outcomes

1. Critically analyze political problems.
2. Understand the structure and processes of local, state, national and foreign governments.
3. Develop skills in research, writing, public outreach, advocacy and leadership.

### Core Courses

- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 203 International Relations **Credits: 4**
- PS 204 Governments of the World **Credits: 4**
- PS 350 Introduction to Public Policy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 375 Scope and Methods of Political Science **Credits: 4**

### International Relations and Comparative Politics Credits: 4

- PS 193 Introduction to Model United Nations **Credits: 4**

- PS 360 U.S. Foreign and National Security Policy **Credits: 4**
- PS 393 Advanced Model United Nations **Credits: 1 or 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 440 Causes of War **Credits: 4**
- PS 441 Causes of Peace **Credits: 4**
- PS 457 Government and Politics of Europe and Asia **Credits: 4**
- PS 459 Government and Politics of Latin America **Credits: 4**
- PS 461 Politics and Government of Post-Communist States **Credits: 4**
- PS 463 Government and Politics of Developing Nations **Credits: 4**
- PS 464 Government and Politics of Africa **Credits: 4**
- PS 465 Government and Politics of the Middle East **Credits: 4**
- PS 473 Globalization Issues **Credits: 4**
- PS 478 Political Fiction and Film **Credits: 4**
- PS 486 International Organizations and Law **Credits: 4**
- PS 492 Political Ideologies **Credits: 4**
- Depending on content PS 199, PS 399, PS 406, PS 407, PS 410

### Administration and Political Processes Credits: 4

- PS 414 Political Parties, Pressure Groups and Elections **Credits: 4**
- PS 416 Politics and Communication **Credits: 4**
- PS 419 American Presidential Elections **Credits: 4**
- PS 425 Native American Politics and Policy **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 442 Peacebuilding and Public Policy **Credits: 4**
- PS 451 Political Theory: Plato to Marx **Credits: 4**
- PS 452 Political Theory: Marx to Habermas **Credits: 4**
- PS 454 Public Personnel Administration **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 466 Governmental Budgeting **Credits: 4**
- PS 469 Congress and the Presidency **Credits: 4**
- PS 490 Community Politics **Credits: 4**
- PS 495 Public Sector Labor Relations **Credits: 4**

\*Depending on content: PS 199, PS 399, PS 406, PS 407, PS 410

## Academic Programs

### Public Policy and Law Credits: 4

- PS 423 Issues in National Policy **Credits: 4**
- PS 424 Policy-Making in the States **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PS 432 Global Health Policy **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 435 Women and Politics **Credits: 4**
- PS 436 Gender and Public Policy **Credits: 4**
- PS 443 Great Peacemakers **Credits: 4**
- PS 445 Introduction to Policy Analysis **Credits: 4**
- PS 447 Environmental Politics and Policy **Credits: 4**
- PS 449 Environmental Values and Political Action **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 458 Veterans in Transition **Credits: 4**
- PS 471 Immigration Politics and Policy **Credits: 4**
- PS 479 American Constitutional Law **Credits: 4**
- PS 480 Administrative Law **Credits: 4**
- PS 484 American Jurisprudence **Credits: 4**
- PS 485 Legal Reasoning and Writing **Credits: 4**
- PS 494 Human Rights **Credits: 4**

\*Depending on content: PS 199, PS 399, PS 406, PS 407, PS 410

### Political Science Elective Credits: 16

Choose Political Science courses to reach a total of 60 credits overall.

### Total Credits: 60

### Satisfactory Grade Use

Program requirements are **not** fulfilled with a grade of S. Do **not** select Satisfactory/No Credit grading for any classes that will be used in the program.

## Professional Studies in the Deaf Community, B.A.S.

### Mission

We live in a linguistically diverse world where individuals see through a multitude of lenses. In this program, we equip professionals to connect people across their differences and to assist them in navigating through barriers to opportunities in areas, such as education, community services, and employment.

## Learning Outcomes

1. Develop critical analysis skills including: situational assessment; ethical reasoning; cultural intelligence lens, and research methodologies.
2. Demonstrate collaborative and cooperative abilities when engaging with colleagues, community members, and other teams.
3. Integrate academic foundation, world knowledge, critical analysis skills, communication skills, and language fluency by engaging meaningfully, collaboratively, and intentionally in communicative interactions.

## Core Courses

- ASL 301 American Sign Language VII **Credits: 4**
- ASL 302 American Sign Language VIII **Credits: 4**
- ASL 303 American Sign Language IX **Credits: 4**
- ASL 315 American Deaf Culture **Credits: 3**
- ASL 353 Linguistics of ASL **Credits: 4**
- ASL 456 First and Second Language Acquisition: Deaf and Hard of Hearing **Credits: 3**
- LING 310 Introduction to Linguistics **Credits: 4**
- Modern Language

### Field Experience Credits: 12

Selected from the following, as approved by the major advisor

- INT 242 Interpreter Mindset Seminar **Credits: 2**
- INT 409 Practicum: Interpreting **Credits: 1-12**  
or ASL 409 Practicum **Credits: 1-12**
- INT 410 Internship **Credits: 3-12**

### Cultural Intersections Credits: 12

As approved by the major advisor

### Choose One

- Modern Language Credits: 12
  - Level 200-203 or above
- Upper-Division Credits: 12
  - Anthropology, American Sign Language, Communication, Psychology, Sociology, or study abroad experience.

### Language & Communication Credits: 12

## Academic Programs

As approved by the major advisor.

- English, Literature, American Sign Language, Interpreting, and/or electives from French, German, Spanish or other language.

### Elective Credits: 17

As approved by the major advisor.

- Selected from the Field Experience, Cultural Intersections, and/or Language & Communication categories, as approved by a major advisor.

### Total Credits: 90

#### Note:

Students must transfer to WOU with an AAS degree to complete this program.

To complete the Professional Studies in the Deaf Community coursework, students work with an academic adviser to develop the program of study including the core courses curriculum, the Field Experience, the Cultural Intersections category, the Language & Communication category and elective courses.

## Psychology, B.A.S./B.S.

**Professors:** Jaime Cloud, David Foster, Ethan McMahan, Lauren Roscoe, Chehalis Strapp, Tamina Toray, Rob Winningham

**Associate professors:** Alicia Ibaraki

**Assistant professors:** Jessica Dugan, Brooke Nott, Kathy Espino-Pérez, Jay Schwartz

## Mission

Create lifelong learners in psychology utilizing the scientist-practitioner model. Graduates of our program will understand the scientific foundations of the discipline and the core knowledge/concepts in the field. Graduates will also be able to apply psychology to solve human difficulties; at both personal levels with self and others and at a community level with the issues and problems that face us as a society, a nation and a world.

## Learning Outcomes

1. Demonstrate fundamental knowledge and comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles apply to behavioral problems.

2. Apply scientific reasoning and problem solving, including effective research methods to critically analyze human behavior.
3. Demonstrate knowledge of and/or apply ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity.
4. Demonstrate competence in writing and in oral and interpersonal communication skills.
5. Apply psychology-specific content and skills, effective self-reflection, project-management skills, teamwork skills, and career preparation.

## Core Courses

Minimum of 40 upper division credits and a maximum of 16 lower division credits.

- PSY 201 General Psychology **Credits: 4**
- PSY 202 General Psychology **Credits: 4**
- PSY 301 Introduction to Research Methods **Credits: 4**
- PSY 311 Developmental Psychology **Credits: 4**
- PSY 334 Social Psychology **Credits: 4**
- PSY 360 Cognitive Psychology **Credits: 4**
- PSY 467 Quantitative Methods **Credits: 4**
- PSY 468 Advanced Research Methods **Credits: 4**

## Choose One

- PSY 443 Psychology of Teamwork **Credits: 4**
- PSY 445 Introduction to Industrial/Organizational Psychology **Credits: 4**
- PSY 446 Psychology of Leadership **Credits: 4**
- PSY 447 Organizational Consulting **Credits: 4**
- PSY 448 Topics in Organizational Psychology **Credits: 4**
- PSY 449 Psychology of Creativity **Credits: 4**

## Elective Credits: 20

Elective credits should be chosen with an adviser's assistance. Any course with a PSY prefix can count as a Psychology elective with the following exceptions: a maximum 4 credits of P/NC coursework including PSY 399, PSY 406, PSY 409 or PSY 411 can count as electives in the psychology major. PSY 410 can not be counted as an elective in the psychology major. In addition to courses with the PSY prefix, the following gerontology courses can count as electives for the major:

- GERO 120 Medical Terminology I **Credits: 4**
- GERO 320 Introduction to Aging **Credits: 4**

## Academic Programs

- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- GERO 370 Aging and Mental Health **Credits: 4**
- GERO 407 Seminar **Credits: 1-12**
- GERO 430 Palliative Care and Chronic Illness **Credits: 4**
- GERO 455 Social Ties and Aging **Credits: 4**
- GERO 480 Alzheimer's Disease and Other Dementias Management **Credits: 4**

Total Credits: 56

### Note:

Psychology majors must have a grade of C- or better in courses that are used to satisfy the major requirements.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Public Health, B.S.

**Professors:** Doris Cancel-Tirado

**Associate professors:** Megan Patton-Lopez, Emily Vala-Haynes

**Assistant professors:** Leanne Cusack, Daniel Dowhower

## Mission

To maximize individual and professional development in health and movement science and to promote healthy lifestyles and communities.

## Learning Outcomes

1. Plan effective strategies, interventions and programs based on assessment of individual and community needs.
2. Implement and evaluate programs.
3. Coordinate, communicate and advocate for research-based practices.

## Core Courses

- BI 134 Introductory Human Anatomy and Physiology **Credits: 4**
- BI 135 Introductory Human Anatomy and Physiology **Credits: 4**
- HE 227 Community and Public Health **Credits: 4**
- HE 285 Foundations of Health Education **Credits: 4**

- HE 330 Theory of Health Promotion **Credits: 4**
- HE 334 Health Disparities and Social Determinants of Health **Credits: 4**
- HE 343 Introduction to Health Data Analysis and Visualization **Credits: 4**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- HE 346 Infectious Disease and Injury Prevention **Credits: 4**
- HE 348 Chronic Disease Prevention and Control **Credits: 4**
- HE 360 U.S. Health Care System And Health Policy **Credits: 4**
- HE 375 Epidemiology **Credits: 4**
- HE 448 Research Methods **Credits: 4**
- HE 471 Program Planning **Credits: 4**
- HE 487 Assessment and Program Evaluation **Credits: 4**
- HE 498 Community Health Internship **Credits: 8**

## Health Education Elective Credits: 16

- Upper Division HE courses with advisor approval

## Total Credits: 80

### Note:

HE 285 , HE 343, HE 330 , HE 375, HE 448, HE 471, HE 487, HE 498, and STAT 243Z have prerequisites. See course descriptions for specific prerequisites.

Public Health majors must have a grade of C- or better in all courses used to satisfy requirements of the major.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Public Policy and Administration, B.A.

**Associate professor:** Earlene Camarillo

## Mission

Prepares students for employment in government, non-profit organizations and in businesses connected to the public sector. Faculty teaching, service and research promote efficient, effective and just public service and policies.

# Academic Programs

## Learning Outcomes

1. Analyze issues in public administration and policy.
2. Analyze the administrative context, politics and practical implications of public choices.
3. Demonstrate skills in internal and external organizational communication, public outreach and advocacy.

## Core Courses

- BA 131 Introduction to Business Computing **Credits: 3**  
or DATA 101 Foundations of Data Analytics **Credits: 4**  
or CS 121 Computer Applications **Credits: 2**
- EC 201 Introduction to Microeconomics **Credits: 4**
- EC 202 Introduction to Macroeconomics **Credits: 4**
- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 350 Introduction to Public Policy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**
- PS 454 Public Personnel Administration **Credits: 4**
- PS 466 Governmental Budgeting **Credits: 4**
- PS 480 Administrative Law **Credits: 4**

## Choose One

- COM 323 Group Discussion and Leadership **Credits: 4**
- COM 324 Business and Professional Communication **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**

## Choose One Concentration

Minimum Credits: 24, 8 credits of which need to be PS courses

- City and County Government Concentration
- Corrections/Law Enforcement Concentration
- Health Policy and Administration Concentration
- Human Resources Concentration
- Management Concentration
- State and Federal Government Concentration

Total Credits: 66-68

Satisfactory Grade Use

BA 131, EC 201 and EC 202 may be fulfilled with a grade of S.

No other program requirements may be fulfilled with a grade of S.

Do **not** select Satisfactory/No Credit grading for any other classes that will be used in the program.

## City and County Government Concentration

### Core Courses

Choose a minimum of 24 credits from the following: 8 credits must be from PS courses

- BA 450 State & Local Government Accounting **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**
- COM 380 Environmental Communication **Credits: 4**
- ES 340 Geospatial Techniques **Credits: 4 \***
- ES 341 Geographic Information Systems I **Credits: 4 \***
- ES 342 Geographic Information Systems II **Credits: 4 \***  
\* These courses are a three-term sequence that trains students in GIS. Students should take all three.
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**  
Credits: 8
- PS 424 Policy-Making in the States **Credits: 4**
- PS 425 Native American Politics and Policy **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 445 Introduction to Policy Analysis **Credits: 4**
- PS 447 Environmental Politics and Policy **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 490 Community Politics **Credits: 4**
- PS 495 Public Sector Labor Relations **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**
- SUST 101 Sustainable World **Credits: 4**
- SUST 316 Urban Sustainability **Credits: 4**
- SUST 330 Sustainability and Social Justice **Credits: 4**
- SUST 331 Environmental Justice **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**
- WR 304 Grant and Proposal Writing **Credits: 4**

## Academic Programs

Total Credits: 24

### Corrections/Law Enforcement Concentration

#### Core Courses

Choose a minimum of 24 credits from the following: 8 credits must be from PS courses

- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 241 Introduction to Community Crime Prevention **Credits: 4**
- CJ 451 Youth, Crime and Society **Credits: 4**
- CJ 452 Criminal Procedure **Credits: 4**
- CJ 453 Corrections **Credits: 4**
- CJ 454 Parole and Probation **Credits: 4**
- COM 327 Communication in the Legal Field **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**  
Credits: 8
- PS 424 Policy-Making in the States **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 458 Veterans in Transition **Credits: 4**
- PS 479 American Constitutional Law **Credits: 4**
- PS 484 American Jurisprudence **Credits: 4**
- PS 485 Legal Reasoning and Writing **Credits: 4**
- PS 490 Community Politics **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**

Total Credits: 24

### Health Policy and Administration Concentration

#### Core Courses

Choose a minimum of 24 credits from the following: 8 credits must be from PS courses

- ANTH 395 Medical Anthropology **Credits: 4**
- BA 361 Organizational Behavior **Credits: 3**
- COM 312 Public Relations Communication **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**

- COM 351 Foundations of Health Communication **Credits: 4**
- GERO 120 Medical Terminology I **Credits: 4**
- HE 227 Community and Public Health **Credits: 4**
- HE 375 Epidemiology **Credits: 4**
- HE 411 Health Communication **Credits: 4**
- HE 457 Migrant Health **Credits: 4**
- HE 465 Global Health **Credits: 4**
- HE 485 Bioethics and Public Health **Credits: 4**
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**
- PS 430 The Aging Society **Credits: 4**
- PS 432 Global Health Policy **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 445 Introduction to Policy Analysis **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 495 Public Sector Labor Relations **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**
- WR 304 Grant and Proposal Writing **Credits: 4**

Total Credits: 24

### Human Resources Concentration

#### Core Courses

Choose a minimum of 24 credits from the following: 8 credits must be from PS courses

- BA 361 Organizational Behavior **Credits: 3**
- BA 362 Business Ethics **Credits: 3**
- COM 323 Group Discussion and Leadership **Credits: 4**
- COM 325 Intercultural Communication **Credits: 4**
- COM 400 Communication and Labor **Credits: 4**
- COM 420 Communication in Organizations **Credits: 4**
- EC 344 Labor Economics **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**
- PS 416 Politics and Communication **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PS 432 Global Health Policy **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 435 Women and Politics **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**

## Academic Programs

- PS 458 Veterans in Transition **Credits: 4**
- PS 471 Immigration Politics and Policy **Credits: 4**
- PS 495 Public Sector Labor Relations **Credits: 4**
- PSY 423 Interviewing and Appraisal **Credits: 4**
- PSY 443 Psychology of Teamwork **Credits: 4**
- PSY 445 Introduction to Industrial/Organizational Psychology **Credits: 4**
- PSY 446 Psychology of Leadership **Credits: 4**
- PSY 465 Motivation **Credits: 4**
- SOC 320 Industrial Sociology **Credits: 3**
- SOC 338 Sociology of the Family **Credits: 4**
- SOC 434 African American Studies: Social Issues, Social Movements **Credits: 3**
- SOC 435 Chicano/a/Latino/a Studies: Social Issues, Social Movements **Credits: 4**
- SOC 436 Native American/Asian American Studies: Social Issues, Social Movements **Credits: 3**
- STAT 243Z Elementary Statistics I **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**

Total Credits: 24

## Management Concentration

### Core Courses

### Concentration Courses

Choose a minimum of 24 credits from the following: 8 credits must be from PS courses

- BA 211 Financial Accounting **Credits: 4**
- BA 315 Financial Management **Credits: 3**
- BA 316 Advanced Financial Management **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- BA 362 Business Ethics **Credits: 3**
- BA 370 Business and Society **Credits: 3**
- BA 392 Management of Diversity **Credits: 3**
- BA 416 Government Regulation **Credits: 4**
- BA 424 Capital Budgeting **Credits: 3**
- BA 484 International Management **Credits: 3**
- COM 312 Public Relations Communication **Credits: 4**
- COM 400 Communication and Labor **Credits: 4**
- COM 420 Communication in Organizations **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**
- PS 423 Issues in National Policy **Credits: 4**
- PS 424 Policy-Making in the States **Credits: 4**

- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 445 Introduction to Policy Analysis **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 458 Veterans in Transition **Credits: 4**
- PS 495 Public Sector Labor Relations **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**

Total Credits: 24

## State and Federal Government Concentration

### Core Courses

Choose a minimum of 24 credits from the following: 8 credits must be from PS courses

- COM 326 Freedom of Speech **Credits: 4**
- COM 380 Environmental Communication **Credits: 4**
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**
- PS 414 Political Parties, Pressure Groups and Elections **Credits: 4**
- PS 416 Politics and Communication **Credits: 4**
- PS 419 American Presidential Elections **Credits: 4**
- PS 423 Issues in National Policy **Credits: 4**
- PS 424 Policy-Making in the States **Credits: 4**
- PS 425 Native American Politics and Policy **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**
- PS 442 Peacebuilding and Public Policy **Credits: 4**
- PS 445 Introduction to Policy Analysis **Credits: 4**
- PS 447 Environmental Politics and Policy **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 469 Congress and the Presidency **Credits: 4**
- PS 471 Immigration Politics and Policy **Credits: 4**
- PS 479 American Constitutional Law **Credits: 4**
- PS 490 Community Politics **Credits: 4**
- PS 495 Public Sector Labor Relations **Credits: 4**
- SOC 420 Political Sociology: Theories of the State **Credits: 3**



## Academic Programs

- SOC 430 Political-Economy as Social Theory **Credits: 3**
- STAT 243Z Elementary Statistics I **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**
- WR 304 Grant and Proposal Writing **Credits: 4**

Total Credits: 24

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any classes that will be used in the program.

## School Health Teacher Education, B.S.

**Professor:** Doris Cancel-Tirado

**Associate professors:** Megan Patton-Lopez, Emily Vala-Haynes

**Assistant professors:** Leanne Cusack, Dan Dowhower

### Mission

To maximize individual and professional development in health and movement science and to promote healthy lifestyles and communities.

### Learning Outcomes

1. Plan effective strategies, interventions and programs based on assessment of individual and community needs.
2. Implement and evaluate programs.
3. Coordinate, communicate and advocate for research-based practices.

### Core Courses

- BI 134 Introductory Human Anatomy and Physiology **Credits: 4**
- BI 135 Introductory Human Anatomy and Physiology **Credits: 4**
- HE 227 Community and Public Health **Credits: 4**
- HE 285 Foundations of Health Education **Credits: 4**
- HE 325 Nutrition **Credits: 4**
- HE 330 Theory of Health Promotion **Credits: 4**
- HE 346 Infectious Disease and Injury Prevention **Credits: 4**
- HE 348 Chronic Disease Prevention and Control **Credits: 4**
- HE 366 Alcohol, Tobacco and Other Drugs **Credits: 4**

- HE 367 Human Sexuality **Credits: 4**
- HE 375 Epidemiology **Credits: 4**
- HE 445 Best Practice in ATOD and Sexuality Education **Credits: 4**
- HE 448 Research Methods **Credits: 4**
- HE 471 Program Planning **Credits: 4**
- HE 487 Assessment and Program Evaluation **Credits: 4**
- HE 496 School Health Programs: Methods and Materials **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

Total Credits: 68

### Note:

Students must earn a C- or better in all courses used to satisfy requirements of the major. HE 346, HE 348, HE 375, HE 448, HE 471, HE 487, and STAT 243Z all have prerequisites. See course descriptions for specific prerequisites.

This major does not lead to a school health education degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into education programs can be

obtained from the College of Education.

### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Social Science Teacher Education, B.S.

### Mission

Prepares students for entry into the undergraduate education program at this university. This pre-major provides students with a broad preparation in the social sciences and with depth in a particular discipline in preparation for teaching social science at the secondary level.

### Learning Outcomes

1. Graduates will have critical thinking, reading and writing skills, as well as experience in public presentation of their ideas.
2. Research projects will be tailored to develop analytical skills useful for teaching social science methods to secondary-level students.

## Academic Programs

3. Internships will prepare students for work in secondary schools.

## Core Courses

Requires a minimum of 30 upper division credit hours.

United States History Course Credits: 8

## Sustainability

- SUST 313 The Pacific Northwest Credits: 4
- SUST 380 Environmental Conservation Credits: 4

Economics Course Credits: 8

## Choose One

- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 203 International Relations **Credits: 4**

Elective Credits: 12-14

In two of the following areas:

- Anthropology
- Criminal justice
- Psychology
- Sociology

Focus Area Credits: 20-21

The student may choose to concentrate in any one of the following disciplines: History, Geography, Economics, Political Science, Anthropology, Criminal Justice, Psychology or Sociology.

Total Credits: 60-63

## Note:

This major does not lead to a social science degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into education programs can be obtained from the College of Education.

## Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Social Science, B.A.

**Professor:** Mary Pettenger

## Mission

Combines a general social science perspective with a specific discipline focus. The program prepares graduates for a specialized field as well as giving mobility across fields. Students learn the methods developed by their discipline to understand both the past and the present. Graduates apply these methods to resolving local, national and international issues.

## Learning Outcomes

1. Critically analyze social issues from two or more disciplinary perspectives.
2. Effectively communicate about social issues in speech and in writing.
3. Demonstrate the ability to research the nature and consequences of social action in specific contexts.

## Core Courses

The major requires 65 credits which must be from the following disciplines: Anthropology, Criminal Justice, Sustainability, History, Political Science or Sociology. A minimum of 36 credits must be upper division courses. No more than 20 credits may be in Criminal Justice. Courses should be chosen in consultation with a Social Science faculty advisor.

Students must also take at least one theory course and one methods course from the following lists:

## Theory Courses

- ANTH 311 Human Evolution **Credits: 4**
- ANTH 324 Anthropological Theory **Credits: 4**
- ANTH 480 History and Theory of Archaeology **Credits: 4**
- CJ 450 Criminology **Credits: 4**
- PS 414 Political Parties, Pressure Groups and Elections **Credits: 4**
- PS 419 American Presidential Elections **Credits: 4**
- PS 426 Federalism and Intergovernmental Relations **Credits: 4**
- PS 440 Causes of War **Credits: 4**

## Academic Programs

- PS 441 Causes of Peace **Credits: 4**
- PS 449 Environmental Values and Political Action **Credits: 4**
- PS 451 Political Theory: Plato to Marx **Credits: 4**
- PS 452 Political Theory: Marx to Habermas **Credits: 4**
- PS 469 Congress and the Presidency **Credits: 4**
- PS 492 Political Ideologies **Credits: 3**
- SOC 420 Political Sociology: Theories of the State **Credits: 3**
- SOC 460 Feminist Theory **Credits: 3**
- SOC 471 Classical Sociological Theory **Credits: 4**
- SOC 472 Contemporary Sociological Theory **Credits: 3**
- SUST 495 Senior Seminar **Credits: 4**
- Any course approved by the academic adviser for this purpose

## Methods Courses

- ANTH 325 Ethnographic Methods **Credits: 4**
- ANTH 326 Ethnographic Writing **Credits: 4**
- ANTH 350 Research Methods in Archaeology **Credits: 4**
- ANTH 352 Laboratory Methods in Archaeology **Credits: 4**
- ANTH 360 Museum Studies **Credits: 4**
- CJ 327 Research Methods in Criminal Justice **Credits: 4**
- CJ 427 Quantitative Methods in Criminal Justice **Credits: 4**
- HST 301 Introduction to Historical Research **Credits: 4**
- PS 375 Scope and Methods of Political Science **Credits: 4**
- SOC 325 Participant Observation and Qualitative Research Methods **Credits: 4**
- SOC 327 Social Research Methods **Credits: 4**
- SOC 328 Introduction to Social Data Analysis **Credits: 4**
- Any course approved by the academic adviser for this purpose

## Capstone

- SSC 405 Capstone **Credits: 1-4** Credits: 1  
Note: *Students must complete SSC 405 Capstone (1 credit) in consultation with a social science division advisor.*

Total Credits: 65

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Sociology, B.A.

**Professor:** Maureen Dolan

**Assistant Professor of Social Work:** Rebecca Phillips

## Mission

To provide a strong educational foundation for graduate study and various professional careers. This includes training in writing, research and analysis, all connected to the development of theory and social science. It is also a goal of the department to train and motivate students to be activists in the service of progressive causes.

## Learning Outcomes

1. Investigate social issues and structures of social inequality through critical research and analysis.
2. Explain and analyze the complex interactions among individuals, institutions and society.
3. Effectively communicate and discuss social theories and research findings as they relate to social problems.

## Core Courses

- SOC 204 Introduction to Sociology **Credits: 4**
- SOC 310 Service-Learning and Community Praxis **Credits: 4**
- SOC 324 Introduction to Sociology: Research **Credits: 4**
- SOC 325 Participant Observation and Qualitative Research Methods **Credits: 4**
- SOC 328 Introduction to Social Data Analysis **Credits: 4**
- SOC 370 Sociological Theory **Credits: 4**
- SOC 495 Senior Capstone **Credits: 4**

## Choose One

- Elective Credits: 36
- Social Justice Concentration
- Social Work Concentration

## Academic Programs

Total Credits: 64

Note:

In consultation with sociology advisors, additional courses in social sciences may satisfy requirements.

### Social Justice Concentration

#### Core Courses

- SOC 305 Social Problems, Social Justice, Social Policy **Credits: 4**
- SOC 340 Community Organizing **Credits: 4**
- SOC 341 Community Action **Credits: 4**  
or SOC 409 Practicum: Latino/a Ed Mentor **Credits: 1-16 Credits: 4**
- SOC 437 Sociology of Race/Ethnic Relations **Credits: 4**
- SOC 450 Latin American Society **Credits: 4**

Elective Credits: 16

### Social Work Concentration

#### Core Courses

- SOC 301 Introduction to Social Work **Credits: 4**
- SOC 305 Social Problems, Social Justice, Social Policy **Credits: 4**
- SOC 317 Social Work Practical Applications and Methodologies **Credits: 4**
- SOC 341 Community Action **Credits: 4**  
or SOC 409 Practicum: Latino/a Ed Mentor **Credits: 1-16 Credits: 4**

Elective Credits: 20

Students are encouraged to take Sociology program elective courses in each of the Social Work specialized areas of Micro, Mezzo, and/or Macro. Students are also encouraged to consider interdisciplinary choices in Gerontology, Criminal Justice, Public Health or Education Sociology Work Elective Examples:

The following electives have been suggested in the following specialty areas, but they are not exhaustive. Other courses may also be considered for the 20 credits as well as transfer courses from other institutions.

MICRO ORIENTATION:

- SOC 334 Self and Society Credits: 4
- SOC 338 Sociology of the Family Credits: 4

MEZZO ORIENTATION:

- SOC 340 Community Organizing Credits: 4
- SOC 354 Sociology of Deviant Behavior Credits: 4

MACRO ORIENTATION:

- SOC 315 Social Stratification and Inequality Credits: 4
- SOC 400 Globalization and Development Credits: 4
- SOC 450 Latin American Society Credits: 4

These electives are also designed to enrich student experience that will be included in Capstone course reflection paper required by the Sociology Major.

Total Credits: 36

#### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any classes that will be used in the program.

### Spanish Teacher Education, B.S.

**Professor:** Patricia Giménez-Eguíbar

**Associate professors:** Kathleen Connolly, Jaime Marroquin

#### Mission

Create and transmit knowledge concerning the Spanish language, literature's and cultures in a climate that promotes ease of communication and mutual understanding.

#### Learning Outcomes

1. Speak, aurally comprehend, write and read Spanish at a level suitable for graduate education or careers in business, government, social services or tourism.
2. Explain and apply Hispanic cultural and historical perspectives to events and ideas in a globalized society.
3. Analyze and critique original texts and cultural artifacts from Peninsular, Latin American, U.S. Latino sources.

#### Core Courses

Students who begin coursework above 201 need to identify substitute credits with their Spanish adviser. Please note that students can obtain credits for all second-year Spanish

## Academic Programs

requirements with a satisfactory note at the Spanish College-Level Examination (CLEP) Exam, AP Exams, Willamette Promise or Special Credit by Examination.

- SPAN 201 Second Year Spanish I **Credits: 4**
- SPAN 202 Second Year Spanish II **Credits: 4**
- SPAN 203 Second Year Spanish III **Credits: 4**
- SPAN 301 Third Year Spanish I **Credits: 4**  
or SPAN 311 Spanish for Bilingual Teachers I **Credits: 4**  
or SPAN 317 Intermediate Spanish for Bilingual/Heritage Speakers I **Credits: 4**
- SPAN 302 Third Year Spanish II **Credits: 4**  
or SPAN 312 Spanish for Bilingual Teachers II **Credits: 4**  
or SPAN 318 Intermediate Spanish for Bilingual/Heritage Speakers II **Credits: 4**
- SPAN 303 Third Year Spanish III **Credits: 4**  
or SPAN 319 Intermediate Spanish for Bilingual/Heritage Speakers III **Credits: 4**
- SPAN 401 Advanced Spanish Proficiency **Credits: 4**  
(including National Evaluation Series (NES) Spanish Evaluation Preparation)

### Choose Two

- SPAN 350 Spanish Pronunciation and Phonetics **Credits: 4**
- SPAN 379 Introduction to Spanish Linguistics **Credits: 4**
- SPAN 380 Teaching World Languages: Spanish **Credits: 4**
- SPAN 483 Spanish in the United States **Credits: 4**

### Choose Seven

At least two should be 400-level courses.

- SPAN 328 Introduction to Chicano Literature and Culture **Credits: 4**
- SPAN 338 Multicultural Spain: History, Film and Politics **Credits: 4**
- SPAN 339 Colonial Latino Literature and Culture **Credits: 4**
- SPAN 340 Mexican Literature and Culture **Credits: 4**
- SPAN 342 The Politics of Latino Film and Art **Credits: 4**
- SPAN 360 Introduction to Hispanic Literatures **Credits: 4**
- SPAN 370 Don Juan, Witches and Bold Nuns: Gender in Spanish Literature and Film **Credits: 4**
- SPAN 371 Contemporary Latino Literature and Culture **Credits: 4**

- SPAN 385 Introduction to Translation and Interpreting **Credits: 4**
- SPAN 412 Classical Spanish Literature **Credits: 4**
- SPAN 413 Don Quijote **Credits: 4**
- SPAN 415 Love, War, Social Change: Contemporary Spanish Literature and Film **Credits: 4**
- SPAN 416 Language Teaching Practicum **Credits: 4**
- SPAN 417 Hispanic Poetry **Credits: 4**
- SPAN 435 Contemporary Hispanic Societies Through Film **Credits: 4**
- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4**
- SPAN 480 History of the Spanish Language **Credits: 4**
- SPAN 481 Spanish Sociolinguistics **Credits: 4**
- SPAN 483 Spanish in the United States **Credits: 4**
- SPAN 486 Spanish Translation Practicum **Credits: 4**

**Total Credits: 64**

Beyond first year language

### Note:

This major does not lead to a Spanish degree but may lead to an education degree following the completion of the professional education core in the College of Education. Requirements for admission into Education programs can be obtained from the College of Education.

### Satisfactory Grade Use

Only non-ED course requirements may be fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any ED courses that will be used in the program.

## Spanish, B.A.

**Professor:** Patricia Giménez-Eguíbar

**Associate professor:** Kathleen Connolly, Jaime Marroquin

## Mission

Create and transmit knowledge concerning the Spanish language, literatures and cultures in a climate that promotes ease of communication and mutual understanding. Recognize Spanish as a historical language of the United States and provide students with the opportunity to build upon their existing linguistic and cultural knowledge. Create connections with local Spanish-speaking communities and organizations.

# Academic Programs

## Learning Outcomes

1. Speak, aurally comprehend, write and read Spanish at a level suitable for graduate education or careers in business, government, social services or tourism.
2. Explain and apply Hispanic cultural and historical perspectives to events and ideas in a globalized society.
3. Analyze and critique original texts and cultural artifacts from U.S. Latino, Latin American, and Spanish sources.
4. Value and develop Spanish language proficiency for students who grew up in a Spanish-speaking community.

## Core Courses

Students who begin coursework above 201 need to identify substitute credits with their adviser.

- SPAN 201 Second Year Spanish I **Credits: 4**
- SPAN 202 Second Year Spanish II **Credits: 4**
- SPAN 203 Second Year Spanish III **Credits: 4**
- SPAN 492 Senior Capstone Project **Credits: 1**

## Choose One

- SPAN 301 Third Year Spanish I **Credits: 4**
- SPAN 311 Spanish for Bilingual Teachers I **Credits: 4**
- SPAN 317 Intermediate Spanish for Bilingual/Heritage Speakers I **Credits: 4**

## Choose One

- SPAN 302 Third Year Spanish II **Credits: 4**
- SPAN 312 Spanish for Bilingual Teachers II **Credits: 4**
- SPAN 318 Intermediate Spanish for Bilingual/Heritage Speakers II **Credits: 4**

## Choose One

- SPAN 303 Third Year Spanish III **Credits: 4**
- SPAN 319 Intermediate Spanish for Bilingual/Heritage Speakers III **Credits: 4**

## Choose One

- SPAN 350 Spanish Pronunciation and Phonetics **Credits: 4**

- SPAN 379 Introduction to Spanish Linguistics **Credits: 4**
- SPAN 380 Teaching World Languages: Spanish **Credits: 4**

## Choose One

- SPAN 328 Introduction to Chicano Literature and Culture **Credits: 4**
- SPAN 360 Introduction to Hispanic Literatures **Credits: 4**
- SPAN 370 Don Juan, Witches and Bold Nuns: Gender in Spanish Literature and Film **Credits: 4**
- SPAN 371 Contemporary Latino Literature and Culture **Credits: 4**

## Choose One

- SPAN 338 Multicultural Spain: History, Film and Politics **Credits: 4**
- SPAN 339 Colonial Latino Literature and Culture **Credits: 4**
- SPAN 340 Mexican Literature and Culture **Credits: 4**
- SPAN 342 The Politics of Latino Film and Art **Credits: 4**

## Upper Division Credits: 16

## Choose four:

Upper-division Spanish courses.

Minimum of 3 courses at the 400-level.

## Total Credits: 53

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Sustainability, B.A.

**Professors:** Shaun Huston, Michael McGlade  
**Associate professor:** Mark Van Steeter

## Mission

Provide knowledge and mentoring that will transform students into leaders who apply systems thinking in order to envision and implement solutions towards sustainable development.

# Academic Programs

## Learning Outcomes

1. Describe social, environmental, and economic elements of sustainable human communities
2. Analyze the systemic nature of interrelationships among social, environmental, and economic elements of a thriving human community.
3. Apply knowledge through actions that promote a sustainable and balanced system between humans and the environment.

## Core Courses

- SUST 330 Sustainability and Social Justice **Credits: 4**
- SUST 340 Sustainability & Capitalism **Credits: 4**
- SUST 370 Energy, Environment and Society **Credits: 4**
- SUST 380 Environmental Conservation **Credits: 4**

## Foundations

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- SUST 101 Sustainable World **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**

## Research Tools

- SUST 221 Data Analysis **Credits: 4**
- SUST 321 Field Geography **Credits: 4**

## Specialized Study Credits: 12

Consult with your advisor on selecting courses that match your interests and post-graduation plans. Choose from:

- BI 370 Humans and the Environment **Credits: 4**
- BI 461 Conservation Biology **Credits: 4**
- COM 380 Environmental Communication **Credits: 4**
- EC 317 Development Economics **Credits: 4**
- EC 321 Public Choice Theory **Credits: 4**
- EC 336 Environmental Economics and Public Policy **Credits: 4**
- ES 420 Medical Geology **Credits: 4**
- ES 470 River Environments of Oregon **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- HST 489 Environmental History **Credits: 4**
- PHL 255 Environmental Ethics **Credits: 4**
- PS 447 Environmental Politics and Policy **Credits: 4**

- PS 449 Environmental Values and Political Action **Credits: 4**
- SOC 350 Food and Hunger **Credits: 4**
- SUST 199 Special Studies **Credits: 1-4**
- SUST 299 Special Studies **Credits: 1-4**
- SUST 313 The Pacific Northwest **Credits: 4**
- SUST 314 Mutual Aid **Credits: 4**
- SUST 316 Urban Sustainability **Credits: 4**
- SUST 331 Environmental Justice **Credits: 4**
- SUST 385 Nature in the American West **Credits: 4**
- SUST 389 Land Systems and Sustainability **Credits: 4**
- SUST 390 Global Climate Change **Credits: 4**
- SUST 391 Biogeography **Credits: 4**
- SUST 393 Soils and Sustainability **Credits: 4**
- SUST 399 Special Studies **Credits: 1-4**
- SUST 412 Selected Topics **Credits: 4**

## Advanced Skills & Practice Credits: 8

Consult with your advisor on selecting credits that match your interests and post-graduation plans. Choose from any combination of:

- Study Abroad **Credits: 1-8**
  - Appropriate credits to be worked out with a student's advisor and the Study Abroad office
- Interdisciplinary Skills and Tools **Credits: 1-8**
  - Appropriate credits to be worked out with a student's advisor, which may include, but are not limited to courses in language study, research methods and data analysis, cartography and GIS, or media production
- SUST 401 Field Experience **Credits: 1-8**
- SUST 402 Independent Project **Credits: 1-8**

## Senior Seminar

- SUST 495 Senior Seminar **Credits: 4**

## Total Credits: 60

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## The Arts, B.A.

## Mission

## Academic Programs

Provides individualized instruction with opportunities for professional involvement, service to the community, public exhibition and performance.

## Learning Outcomes

1. Learn high standards of quality, achieved through individual attention to student practice and progress, professional example and expectations of student excellence.
2. Have experience with three of the four discipline areas in the Creative Arts Division and become familiar with professional practices.
3. Demonstrate a broad understanding of the arts and their place in culture.

The Arts program allows students to study contemporary practices through a solid foundation of traditional training in three of the four arts areas offered in the division - art, music, theatre and dance. Creative work, analytical thinking and global awareness are integrated into performance and production.

## Core Courses

### Choose Three Areas

From Art, Dance, Music and Theatre:

- First Area Credits: 39
  - Minimum Upper Division Credits: 21
- Second Area Credits: 15
  - Minimum Upper Division Credits: 6
- Third Area Credits: 12
  - Minimum Upper Division Credits: 3

## Capstone

Capstone project, to be documented by the following coursework, depending on the student's first area:

### Art:

- A 419 Professional Concerns **Credits: 4**
- A 429 Portfolio & Professional Preparation **Credits: 4**

### Dance:

- D 405 Senior Project **Credits: 2**

### Music:

- MUS 406 Special Individual Studies **Credits: 1-12**  
Credits: 3

### Theatre:

- TA 453 Capstone Experience **Credits: 3**

**Total Credits: 68-74**

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Theatre Arts, B.A.

**Professors:** Scott Grim, David Janoviak, Kent Neely, Michael Phillips

**Associate professors:** Sandra Hedgepeth

## Mission

Provide a solid base in acting, directing, technical theatre and design, performance, history, literature and theory. Students will be prepared for post-graduate opportunities including: graduate programs, teacher licensure programs, internships, professional theatre and participation in the arts in their communities.

## Learning Outcomes

1. Integrate theatrical processes from play writing to post-production; connecting ideas, synthesizing techniques and transferring that knowledge to current theatre production and future production beyond the campus.
2. Engage in creative thinking; synthesize existing ideas in original ways, characterized by a high degree of innovation, divergent thinking and risk taking.
3. Incorporate processes of exploring and analyzing theatrical works through literary, stylistic and cultural dimensions of theatre.

## Core Courses

- TA 165 Production Dynamics **Credits: 3**
- TA 166 Text Analysis **Credits: 3**
- TA 167 Play Reading **Credits: 3**
- TA 220 Production Participation **Credits: 0** 6 terms
- TA 242 Design Aesthetics **Credits: 2**



## Academic Programs

- TA 244 Technical Theatre: Scenecraft **Credits: 3**
- TA 245 Technical Theatre: Lighting & Sound **Credits: 3**
- TA 246 Technical Theatre: Costuming **Credits: 3**
- TA 251 Elements of Acting **Credits: 3**  
or TA 265 Acting I **Credits: 4**
- TA 264 Directing I **Credits: 4**  
or TA 234 Stage Management **Credits: 3**
- TA 381 Theatre History I **Credits: 4**
- TA 382 Theatre History II **Credits: 4**
- TA 383 Theatre History III **Credits: 4**
- TA 386 International Theatre **Credits: 3**
- TA 453 Capstone Experience **Credits: 3**

### Choose One

- TA 255 Movement I **Credits: 2**
- TA 261 Movement II **Credits: 2**
- TA 368 Masks **Credits: 2**

### Choose One

- TA 205 Stage Speech I **Credits: 2**
- TA 290 Voice I **Credits: 2**
- TA 305 Stage Speech II: Dialects **Credits: 2**
- TA 351 Voice II **Credits: 2**

### Choose One

- TA 343 Costume Design **Credits: 4**
- TA 346 Scenic Design **Credits: 4**
- TA 348 Lighting Design **Credits: 4**

Upper Division Theatre Elective Credits: 18

Breadth Credits: 12

- Language or broadening topics as approved by an advisor

Total Credits: 82-84

Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

Theatre Arts, B.S.

**Professors:** Scott Grim, David Janoviak, Kent Neely, Michael Phillips

**Associate professors:** Sandra Hedgepeth

## Mission

Provide a solid base in acting, directing, technical theatre and design, performance, history, literature and theory. Students will be prepared for post-graduate opportunities including: graduate programs, teacher licensor programs, internships, professional theatre and participation in the arts in their communities.

## Learning Outcomes

1. Integrate theatrical processes from play writing to post-production; connecting ideas, synthesizing techniques and transferring that knowledge to current theatre production and future production beyond the campus.
2. Engage in creative thinking; synthesize existing ideas in original ways, characterized by a high degree of innovation, divergent thinking and risk taking.
3. Incorporate processes of exploring and analyzing theatrical works through literary, stylistic and cultural dimensions of theatre.

## Core Courses

- TA 165 Production Dynamics **Credits: 3**
- TA 166 Text Analysis **Credits: 3**
- TA 167 Play Reading **Credits: 3**
- TA 220 Production Participation **Credits: 0**
- TA 242 Design Aesthetics **Credits: 2**
- TA 244 Technical Theatre: Scenecraft **Credits: 3**
- TA 245 Technical Theatre: Lighting & Sound **Credits: 3**
- TA 246 Technical Theatre: Costuming **Credits: 3**
- TA 251 Elements of Acting **Credits: 3**  
or TA 265 Acting I **Credits: 4**
- TA 264 Directing I **Credits: 4**  
or TA 234 Stage Management **Credits: 3**
- TA 381 Theatre History I **Credits: 4**
- TA 382 Theatre History II **Credits: 4**
- TA 383 Theatre History III **Credits: 4**
- TA 386 International Theatre **Credits: 3**
- TA 453 Capstone Experience **Credits: 3**

### Choose One

- TA 255 Movement I **Credits: 2**
- TA 261 Movement II **Credits: 2**

## Academic Programs

- TA 368 Masks **Credits: 2**

### Choose One

- TA 205 Stage Speech I **Credits: 2**
- TA 290 Voice I **Credits: 2**
- TA 305 Stage Speech II: Dialects **Credits: 2**
- TA 351 Voice II **Credits: 2**

### Choose One

- TA 343 Costume Design **Credits: 4**
- TA 346 Scenic Design **Credits: 4**
- TA 348 Lighting Design **Credits: 4**

Upper Division Theatre Elective Credits: 18

Breadth Credits: 12

Additional upper division theatre classes or other applicable classes (creative arts, technical theatre and theatre design, business) as approved by an advisor.

Total Credits: 82-84

Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

Theatre, B.F.A.

**Professors:** Scott Grim, David Janoviak, Michael Phillips  
**Associate professors:** Sandra Hedgepeth

## Mission

Provide a solid base in acting, directing, technical theatre and design, performance, history, literature and theory. Students will be prepared for post-graduate opportunities including: graduate programs, teacher licensure programs, internships, professional theatre and participation in the arts in their communities.

## Learning Outcomes

1. Understand processes involved in creating theatre, from script analysis through public performance.
2. Demonstrate competency in various production processes.

3. Understand the historical, literary, theoretical, stylistic and cultural dimensions of theatre and how theatrical works exist within societal contexts.

## Core Courses

- TA 165 Production Dynamics **Credits: 3**
- TA 166 Text Analysis **Credits: 3**
- TA 167 Play Reading **Credits: 3**
- TA 241 Tech Theatre Topics **Credits: 2**
- TA 242 Design Aesthetics **Credits: 2**
- TA 244 Technical Theatre: Scenecraft **Credits: 3**
- TA 245 Technical Theatre: Lighting & Sound **Credits: 3**
- TA 246 Technical Theatre: Costuming **Credits: 3**
- TA 251 Elements of Acting **Credits: 3**  
or TA 265 Acting I **Credits: 4**
- TA 264 Directing I **Credits: 4**
- TA 381 Theatre History I **Credits: 4**
- TA 382 Theatre History II **Credits: 4**
- TA 383 Theatre History III **Credits: 4**
- TA 386 International Theatre **Credits: 3**

## Choose One Concentration Area

- Actor Training Concentration
- Production Training Concentration
- Theatre Education Concentration

Total Credits: 119-138

## Actor Training Concentration

## Core Courses

- TA 205 Stage Speech I **Credits: 2**
- TA 252 Technical Theatre: Makeup **Credits: 3**
- TA 255 Movement I **Credits: 2**
- TA 261 Movement II **Credits: 2**
- TA 271 Acting II **Credits: 4**
- TA 290 Voice I **Credits: 2**
- TA 305 Stage Speech II: Dialects **Credits: 2**
- TA 351 Voice II **Credits: 2**
- TA 357 Production Performance **Credits: 1-4 Credits: 6**
- TA 360 Contemporary Audition **Credits: 4**
- TA 368 Masks **Credits: 2**
- TA 370 Acting For The Camera **Credits: 4**

## Academic Programs

- TA 371 Acting Meisner I **Credits: 4**
- TA 394 Acting Meisner II **Credits: 4**
- TA 395 Special Studies: Plays in Performance **Credits: 1**
- TA 405 Acting Shakespeare **Credits: 4**
- TA 410 Acting for the Camera II **Credits: 3**
- TA 420 Acting: Scene Study **Credits: 1**
- TA 432 Acting Styles I: Modernism **Credits: 4**
- TA 433 Acting Styles II: Restoration/Manners **Credits: 4**
- TA 437 Acting Shakespeare II **Credits: 4**
- TA 453 Capstone Experience **Credits: 3**

### Dance Credits: 9

- D 101 Beginning Ballet **Credits: 3**
- D 102 Beginning Jazz Dance **Credits: 3**
- D 103 Beginning Modern Dance **Credits: 3**
- D 104 Beginning Tap Dance **Credits: 3**
- D 110 Transition to WOU Dance **Credits: 1**
- D 170 World Dance: Salsa **Credits: 3**
- D 171 World Dance: Hula **Credits: 3**
- D 172 World Dance: African **Credits: 3**
- D 177 Beginning Hip-Hop **Credits: 3**

### Total Credits: 75

## Production Training Concentration

### Core Courses

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**
- TA 234 Stage Management **Credits: 3**
- TA 252 Technical Theatre: Makeup **Credits: 3**
- TA 308 History of Fashion **Credits: 4**
- TA 336 Stage Properties **Credits: 4**
- TA 338 History of Architecture and Decor **Credits: 4**
- TA 343 Costume Design **Credits: 4**
- TA 345 Scenic Painting I **Credits: 3**
- TA 346 Scenic Design **Credits: 4**
- TA 348 Lighting Design **Credits: 4**
- TA 395 Special Studies: Plays in Performance **Credits: 1**
- TA 412 Portfolio Review **Credits: 2**

- TA 453 Capstone Experience **Credits: 3**

### Choose Two

- TA 354 Production Design I **Credits: 1-3** Credits: 3
- TA 355 Production Management I **Credits: 1-3** Credits: 3
- TA 359 Production Fabrication **Credits: 1-4** Credits: 3

### Elective Credits: 18

- A 115 Beginning Design: Two-dimensional **Credits: 4**
- A 120 Beginning Digital Art & Design **Credits: 4**
- A 130 Beginning Drawing **Credits: 4**
- A 230 Introduction to Life Drawing **Credits: 4**
- TA 344 Costume Crafts **Credits: 4**
- TA 349 Design Studio **Credits: 3**
- TA 436 Advanced Costume Techniques **Credits: 3**
- TA 443 Advanced Costume Design **Credits: 4**
- TA 445 Scenic Painting II **Credits: 3**
- TA 446 Advanced Scene Design: CAD **Credits: 3**
- TA 447 Digital Imagery for Theatre **Credits: 4**
- TA 448 Advanced Lighting Design **Credits: 4**

### Total Credits: 76

## Theatre Education Concentration

### Core Courses

### Pre-Education Core Classes

Middle level/high school teaching majors are required to have successfully completed each of the following before entry into the professional core:

- ED 200 Foundations of Education **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 373 Introduction to Curriculum and Assessment **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**

### Theatre Courses

## Academic Programs

- TA 225 Theatre Education Seminar **Credits: 0** take 9 times
- TA 234 Stage Management **Credits: 3**
- TA 255 Movement I **Credits: 2**
- TA 271 Acting II **Credits: 4**
- TA 290 Voice I **Credits: 2**
- TA 305 Stage Speech II: Dialects **Credits: 2**
- TA 343 Costume Design **Credits: 3**
- TA 346 Scenic Design **Credits: 4**
- TA 348 Lighting Design **Credits: 4**
- TA 405 Acting Shakespeare **Credits: 4**
- TA 457 Directing II **Credits: 3**

### Choose One

- D 102 Beginning Jazz Dance **Credits: 3**
- D 104 Beginning Tap Dance **Credits: 3**

## Professional Education Core

- ED 404 Clinical Experience Seminar I **Credits: 2**
- ED 405 Clinical Experience Seminar II **Credits: 2**
- ED 411 Clinical Experience I **Credits: 3**
- ED 412 Clinical Experience II **Credits: 3**
- ED 418 Assessment, Planning and Instruction **Credits: 3**
- ED 421 Technology Integration **Credits: 3**
- ED 429 Professional Development Seminar III **Credits: 2**
- ED 434 Content Pedagogy I **Credits: 3**
- ED 436 Content Pedagogy II **Credits: 3**
- ED 444 Content Literacy **Credits: 3**
- ED 446 Environments for Diverse Learners **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**
- ED 498 Clinical Experience III **Credits: 10**

Total Credits: 93

### Note:

A combined total of 12 credit hours in mathematics or computer science is required for this degree. A minimum of one course in mathematics and one course in computer science is required; any remaining required credit hours may be from either discipline. CS 101 may not be used to meet any portion of this 12-credit requirement.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Visual Communication Design, B.A.

**This program has been transitioned to a new Art & Design major, as of the beginning of Summer term 2018. After that time, only students who are already enrolled in and completing this major, or are part of a current relevant dual admission partnership, may choose it.**

**Professors:** Jennifer Bracy, Michael Freeman, Jodie Garrison, Rebecca McCannell

**Associate professors:** Mary Harden, Daniel Tankersley

**Assistant professor:** Peter Hoffeker-Mejia

## Mission

To foster creative thinking, technique, critical inquiry, and visual literacy for application to art and design. Students engage art and design practices in a studio atmosphere, bringing together form, materials, and meaning to create expressive work. The curriculum integrates a variety of media and technologies. It emphasizes aesthetic awareness, collaboration, problem solving, innovation, and visual communication. An amalgamation of studio practices, art history, and contemporary theory provide contextual basis for creativity. The program equips students with a framework for understanding their place and role as artists and designers in an ever-changing world. Campus galleries exhibit student and professional work, contributing to the cultural environment of the campus and region. Applied projects empower students to address issues that impact their local, global, and online communities.

## Learning Outcomes

1. Cultivate lifelong strategies for creative thinking, skill-building, and active practice of art and design.
2. Engage in the world through critical inquiry and design process and analyze art and design in context. (ULO- Inquiry and Analysis)
3. Integrate vision, language, form, and materials for communication and self-expression. (ULO- Integrative learning)

*Visual communication design major prerequisites:*

*All 200-level studio courses require A 115 and A 130; A 262 also requires A 120. Most 300- and 400-level studio courses require A 220 and A 262. Many also have specific upper division prerequisites.*

*In some cases, students may substitute other Art Department coursework into a VCD major or minor. Any substitutions require the approval of a VCD adviser.*

## Core Courses

## Academic Programs

- A 115 Beginning Design: Two-dimensional **Credits: 4**
- A 116 Beginning Design: Three-dimensional **Credits: 4**
- A 120 Beginning Digital Art & Design **Credits: 4**
- A 130 Beginning Drawing **Credits: 4**

## Art History Courses

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**

## 200-Level Studio Courses

- A 220 Introduction to Typography **Credits: 4**
  - A 262 Digital Images & Photography I **Credits: 4**
  - Minimum 8 additional credits of 200-level Art and Design courses\*
- \*Plan with an advisor to take prerequisites required for upper division coursework.

## Upper Division Courses

- A 320 Graphic Design: Process & Theory **Credits: 4**
- A 321 Graphic Design: Form and Communication **Credits: 4**
- Minimum of 20 additional credits in 300- and/or 400-level Art and Design courses

## Theory and Capstone

- A 315 Intermediate Design: Two-Dimensional **Credits: 4**
- A 316 Intermediate Design: Three-Dimensional **Credits: 4**
- A 429 Portfolio & Professional Preparation **Credits: 4**

## Total Credits: 84

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Undergraduate Minor

### Aerospace Studies, Air Force ROTC Minor

Air Force Reserve Officer Training Corps (AFROTC) is a nationwide program that allows students to pursue commissions (become officers) in the United States Air Force (USAF) while simultaneously attending college. AFROTC classes are held on college campuses throughout the United States and Puerto Rico; students can register through normal course registration processes.

AFROTC consists of four years of aerospace studies classes (Foundations of the USAF, Evolution of USAF and Space Power, Air Force Leadership Studies and National Security Affairs/Preparation for Active Duty) and a corresponding

Leadership Laboratory for each year (where students apply leadership skills, demonstrate command and effective communication, develop physical fitness and practice military customs and courtesies).

College students enrolled in the AFROTC program (known as "cadets") who successfully complete both AFROTC training and college degree requirements will graduate and simultaneously commission as Second Lieutenants in the Active Duty Air Force. The AFROTC program is currently offered at Oregon State University, but they have a crosstown agreement that allows our students to enroll in AFROTC and become full-fledged cadet participants.

For more information on the AFROTC program, please review [flyingbeavs.com](http://flyingbeavs.com).

## Mission

The ROTC selects and prepares young men and women, through a program of instruction coordinated with the students' normal academic curriculum, for commissioning and service as officers in the regular and reserve components of the Air Force.

## Learning Outcomes

Students will:

1. Develop leadership skills.
2. Develop character values consistent with commissioning as an officer in the Air Force.
3. Develop a commitment to lifelong learning as an attribute of a strong leader.

## Core Courses

At least 18 of the 29 hours required in the minor must include

## Academic Programs

the following Aerospace Studies courses.

- AS 311, 312, 313\* Air Force Leadership and Management (9)
- AS 411, 412, 413\* National Security Forces in Contemporary American Society (9)

### Choose One

- HST 482 United States 1914-1945 **Credits: 4**
- HST 483 Cold War America **Credits: 4**

### Choose One

- PS 423 Issues in National Policy **Credits: 4**

### Credits: 4

- Any Writing course offered at WOU higher than WR 122Z

### Total Credits: 30

#### Note:

\* Courses offered through Oregon State University.

For information on Air Force ROTC, contact Oregon State University, Air Force ROTC, 308 McAlexander Field House, Corvallis OR 97331, 541-737-3291.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## American Sign Language Minor

**Coordinator:** Kara Gournaris

### Mission

Create and transmit knowledge of American Sign Language (ASL) in a climate that promotes respect for Deaf culture, Deaf history and Deaf Community.

### Learning Outcomes

1. Depict language mastery in ASL linguistics including

the ability to express and comprehend ASL.

2. Demonstrate sensitivity and understanding of deaf culture and deaf history perspectives in a global society.
3. Develop strong background knowledge and skills suitable for pursuing careers in education, government, social services, graduate work and lifelong learning of ASL.

### Core Courses

- ASL 301 American Sign Language VII **Credits: 4**
- ASL 302 American Sign Language VIII **Credits: 4**
- ASL 303 American Sign Language IX **Credits: 4**
- Six additional upper division credits **Credits: 6**

### Total Credits: 18

#### Note:

Students interested in ASL studies should contact Deaf Studies and Professional Studies at 503-838-8322 or visit our website at <http://www.wou.edu/dsps/>.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Art & Design Minor

### Core Courses

### Lower Division Art Credits: 16

Minimum of 16 credits in 100- and 200-level Art and Design courses. Work with your minor adviser to plan which prerequisite courses are required for the upper division courses you need.

### Upper Division Art Credits: 12

Minimum of 12 credits in 300- and/or 400-level Art and Design courses.

### Total Credits: 28

### Satisfactory Grade Use

## Academic Programs

Program requirements may be fulfilled with a grade of S.

### Art History Minor

#### Core Courses

##### 200-level Art History Credits: 12

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**

##### Upper Division Art History Credits: 16

At least two from 300-level.

- A 304 History of Modern Art, 1789-1914 **Credits: 4**
- A 305 History of Modern Art, 1914-1965 **Credits: 4**
- A 306 History of Modern Art, 1965-Present **Credits: 4**
- A 404 Art History: Non-Western Art **Credits: 4 \***
- A 405 Art History: Gender in Art **Credits: 4 \***
- A 406 Art History: Special Topics **Credits: 4 \***

##### Total Credits: 28

#### Note:

\* May be repeated with different course topics. The 400-level art history courses are offered on a rotating basis.

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Art History Minor, Art & Design Majors

#### Core Courses

##### For Art & Design majors

Choose five upper division Art History courses (with at least two from 300-level)

- A 304 History of Modern Art, 1789-1914 **Credits: 4**
- A 305 History of Modern Art, 1914-1965 **Credits: 4**

- A 306 History of Modern Art, 1965-Present **Credits: 4**
- A 404 Art History: Non-Western Art **Credits: 4 \***
- A 405 Art History: Gender in Art **Credits: 4**
- A 406 Art History: Special Topics **Credits: 4 \***

##### Total Credits (20)\*\*

#### Note:

\* May be repeated with different course topics.

\*\* These course requirements are in addition to the 12 credits of Art History required for the Art & Design major.

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Audio Production Minor

**Professors:** Ike Nail, Kevin Walczyk

**Associate professors:** Dirk Freymuth, James Reddan

#### Mission

The Music Department offers comprehensive programs and services to students and the surrounding community, including professional and liberal arts degrees in music and an active schedule of performances. The department supports large and small ensembles in vocal and instrumental music and up-to-date facilities for electronic music production and recording. Course offerings lead to degrees with concentrations in composition, instrumental performance, vocal performance, jazz and popular music and pre-teaching.

#### Learning Outcomes

1. Demonstrate artistic proficiency for music careers such as performance, composition, writing, production, research and teaching.
2. Possess an awareness of the role of music arts in society.
3. Produce scholarly creative projects, solve professional problems independently and demonstrate a well-developed intellectual/ aesthetic focus.

#### Core Courses

- MUP 110 Music Performance - Audio Production **Credits: 2-4 Credits: 6**
- MUP 210 Music Performance - Audio Production **Credits: 2-4 Credits: 9**

## Academic Programs

- MUS 381 Introduction to Audio Production **Credits: 3**
- MUS 382 Digital Music Production **Credits: 3**
- MUS 383 Advanced Music Production **Credits: 3**

### Upper Division Elective Credits: 3

- MUP 300 Music Performance - Non-Juried **Credits: 2-4 Credits: 3**
- MUS 345 Careers in Music **Credits: 3**
- MUS 380 Recording Session Preparation for Performing Musicians **Credits: 3**
- MUS 421 Music Media Production I **Credits: 3**

### Total Credits: 27

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Biology Minor

**Professors:** Sarah Boomer, Erin Baumgartner, Bryan Dutton, Ava Howard, Michael LeMaster

**Associate professors:** Michael Baltzley, Gareth Hopkins, Kristin Latham-Scott

## Mission

Prepare students for careers in biology and science education and admission to graduate and professional schools in the life and health sciences. We also promote the understanding of biology as an essential part of a liberal arts education and of global citizenship.

## Learning Outcomes

1. Demonstrate mastery of key concepts from the many disciplines within the biological sciences.
2. Demonstrate critical thinking through laboratory experimentation, field research, data analysis and interpretation.
3. Apply concepts and skills from multiple courses to engage in advanced studies and research.

## Core Courses

- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**
- BI 212 Principles of Biology: Evolution, Diversity, and Ecology **Credits: 4**

- BI 213 Principles of Biology: Structure and Function **Credits: 4**  
or Equivalent Sequence **Credits: 15**

### Upper Division Credits: 12-15

Approved by Biology adviser

### Total Credits: 24-30

### Note:

Students are required to maintain a C average in courses that are used to satisfy Biology minor degree requirements.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Business Minor

**Professors:** Keven Malkewitz

**Associate professors:** Bojan Ilievski, Rajeeb Poudel

## Mission

Prepare students for challenging roles and opportunities in business, advanced degree programs and professional certification.

## Learning Outcomes

1. Demonstrate quantitative literacy in a variety of business contexts.
2. Interpret and analyze information to solve problems or make decisions.
3. Use appropriate writing methods to communicate concepts in business environments.

## Core Courses

- BA 211 Financial Accounting **Credits: 4**
- BA 310 Principles of Marketing **Credits: 3**
- BA 315 Financial Management **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- BA 370 Business and Society **Credits: 3**
- Upper division electives in business, economics or entrepreneurship **Credits: 6**



## Academic Programs

Total Credits: 22

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Chemistry Minor

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

**Assistant professor:** Mary Layne Harrell

### Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the environmental or atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

### Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.
6. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social responsibility to recognize the impact that our actions have on the natural and human world.

Formal admission is required for all students seeking a chemistry or chemistry-forensic chemistry concentration degree. Typically, application for admission will be made at the end of a student's sophomore year by completing a degree

plan with the adviser. Prior to admission, the student should have completed the set of courses below.

### Core Courses

- CH 221 General Chemistry **Credits: 5**
- CH 222 General Chemistry **Credits: 5**
- CH 223 General Chemistry **Credits: 5**
- CH 334 Organic Chemistry **Credits: 4**
- CH 335 Organic Chemistry **Credits: 4**
- CH 336 Organic Chemistry **Credits: 4**
- Approved upper division elective in chemistry

Total Credits: 30-31

### Note:

If a biology major selects chemistry as a minor, the general chemistry sequence is to be replaced by either PH 201, PH 202, PH 203 (12) or PH 211, PH 212, PH 213 (12)

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

### Communication Studies Minor

**Professor:** Paula Baldwin, Emily Plec

**Associate professor:** Dana Schowalter, Alexander Curry

**Assistant professor:** William Anderson, Tiara Good, Sarah Sheldrick

### Mission

Committed to excellence in teaching, research and service in communication based on sound theory and practice, concentrating on understanding contexts and perspectives, preparing students for lifelong effective communication.

### Learning Outcomes

1. Learn and apply communication theories, perspectives, principles and concepts.
2. Create messages appropriate to the audience, purpose and context.
3. Critically analyze targeted messages.

### Core Courses

## Academic Programs

In consultation with an advisor, students select at least 12 credit hours of any COM courses 100-level through 400-level, and at least 12 credit hours from 300 and 400-level COM courses.

**Total Credits: 24**

**Satisfactory Grade Use**

Program requirements may be fulfilled with a grade of S.

## Computer Science Minor

### Core Courses

- CS 161 Computer Science I **Credits: 4**
- CS 162 Computer Science II **Credits: 4**
- CS 260 Data Structures **Credits: 4**
- CS 366 Software - Languages and Tools **Credits: 4**
- CS 367 Software Design and Testing **Credits: 4**
- MTH 231 Elements of Discrete Mathematics I **Credits: 4**  
or MTH 251 Calculus I **Credits: 4**
- MTH 232 Elements of Discrete Mathematics II **Credits: 4**  
or MTH 252 Calculus II **Credits: 4**

**Elective Credits: 4**

Approved upper-division elective credits.

**Total Credits: 32**

**Satisfactory Grade Use**

Program requirements may be fulfilled with a grade of S.

## Criminal Justice Minor

**Professor:** Vivian Asesye Djokotoe, Misty Weitzel  
**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPy

### Mission

The Criminal Justice Sciences Division at WOU utilizes a strong liberal arts tradition to provide students with a mastery

of the complete picture of crime as a social problem, providing the skills necessary to ensure the understanding of sound solutions for preventing and addressing crime at all levels of society. We seek to equip our students with a sound scientific background and excellent preparation in content areas in courts, corrections, law enforcement, community crime prevention, juvenile justice, forensic anthropology, homeland security, and to provide options for interdisciplinary education.

## Program Learning Outcomes

1. Explain and analyze the role of each component of the criminal justice field and how they relate to each other
2. Apply basic theories and practices in entry-level positions in criminal justice or related fields
3. Identify and critically examine issues important to criminal justice at the local, state and federal levels
4. Analyze and articulate the impact of race and other forms of societal marginalization on the fair application of justice in a diverse society

The minor in Criminal Justice is tailored towards the conceptual, rather than the more technical aspects of the discipline, and is aimed at providing students pursuing other related disciplines, and wish to supplement or enhance their current major with a substantive understanding of the Criminal Justice System if such students have a desire of applying their degrees in settings where they work with populations within the Criminal Justice System as part of their career goals.

### Core Courses

- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 214 The Juvenile Justice System **Credits: 4**
- CJ 219 Ethics and Leadership in Criminal Justice **Credits: 4**
- CJ 252 American Courts **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**
- CJ 450 Criminology **Credits: 4**
- CJ 453 Corrections **Credits: 4**

**Total Credits: 28**

**Satisfactory Grade Use**

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Cybercrime Investigation and Enforcement Minor

## Academic Programs

**Professor:** Vivian Djokotoe, Misty Weitzel

**Associate professors:** Miyuki Arimoto, Omar Melchor-Ayala, Mari Sakiyama, Taryn VanderPyl

**Coordinator:** Mari Sakiyama

### Mission

Provide students with an introduction to the field of cybercrime. Students with this minor will possess in-depth conceptual knowledge in the prevention, investigation, and enforcement of cybercrimes and cyber threats. Graduates of the program will be well prepared for traditional and emerging positions in cybercrime and criminal justice.

Provide students with an introduction in conceptual knowledge in the field of cybercrime. Students with this minor will possess in-depth knowledge in the prevention, investigation, and enforcement of cybercrimes. This knowledge will serve students well in traditional and emerging positions in the field.

#### Learning Outcomes

1. Gain conceptual knowledge and technological skills necessary in the detection, investigation, and enforcement of cybercrimes.
2. Understand the multitude of issues, theories, ethics, policies, practices, and current challenges related to the control of cybercrime.
3. Develop an understanding of how traditional criminal justice theories, practices, and policies, and cybersecurity tools, techniques and technologies apply to the control of cybercrime.

### Core Courses

- CIE 213 Introduction to Cybercrime **Credits: 4**
- CIE 305 Ethics in Cybercrime Investigation and Enforcement **Credits: 4**
- CIE 321 Principles of Cyber Forensic Investigations **Credits: 4**
- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 352 Criminal Law **Credits: 4**

### Choose Two

- CJ 220 Introduction to Homeland Security **Credits: 4**
- CJ 331 Police and Community: Policy Perspective **Credits: 4**
- CJ 452 Criminal Procedure **Credits: 4**
- IS 283 Cybersecurity Fundamentals for Criminal Investigation **Credits: 4**
- IS 373 Computer Security for Criminal Investigation **Credits: 4**

## Total Credits: 28

### Note

CJ 213 is a prerequisite for upper-division CJ courses. Take it early in the program.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

### Dance Minor

**Professors:** Darryl Thomas

### Mission

Offers students opportunities to develop knowledge, skills, understanding and appreciation of dance as an art form that can enrich and inform the quality of life. The B.A. degree in Dance includes academic courses, performance opportunities and choreographic experiences geared entirely for the undergraduate student seeking a career in dance or a dance-related field.

### Learning Outcomes

1. Demonstrate a significant body of theoretical, cultural and historical knowledge pertaining to the field of dance.
2. Integrate and independently apply dance skills, abilities, theories and/or methodologies.
3. Connect ideas, synthesize techniques and transfer that knowledge into current dance practices.

### Core Courses

- D 260 Dance Improvisation **Credits: 3**
- D 351 Dance Composition I **Credits: 3**

### Choose One

- D 453 Ballet History **Credits: 3**
- D 454 Evolution of Modern Dance **Credits: 3**

## Elective Credits: 18

*At least 6 credits must be upper division*

## Academic Programs

- D 101 Beginning Ballet **Credits: 3**
- D 102 Beginning Jazz Dance **Credits: 3**
- D 103 Beginning Modern Dance **Credits: 3**
- D 104 Beginning Tap Dance **Credits: 3**
- D 199 Special Studies **Credits: 1-15** Credits: 1
- D 240 Wellness for Dancers **Credits: 3**
- D 241 Awareness In Action: Listening To The Body **Credits: 3**
- D 250 Drumming for Dancers **Credits: 1-3**
- D 251 Dance and World Cultures **Credits: 3**
- D 252 Latin Dances Around The World **Credits: 3**
- D 253 Dances That Changed the World **Credits: 3**
- D 254 Dance, Gender and Society **Credits: 3**
- D 270 Dance Partnering **Credits: 2**
- D 277 Intermediate Hip-Hop - 1 **Credits: 2**
- D 278 Intermediate Hip-Hop - 2 **Credits: 2**
- D 279 Intermediate Hip-Hop - 3 **Credits: 2**
- D 280 Intermediate Modern Dance - 1 **Credits: 2**
- D 281 Intermediate Modern Dance - 2 **Credits: 2**
- D 282 Intermediate Modern Dance - 3 **Credits: 2**
- D 285 Intermediate Ballet - 1 **Credits: 2**
- D 286 Intermediate Ballet - 2 **Credits: 2**
- D 287 Intermediate Ballet - 3 **Credits: 2**
- D 288 Intermediate Jazz Dance - 1 **Credits: 2**
- D 289 Intermediate Jazz Dance - 2 **Credits: 2**
- D 290 Intermediate Jazz Dance - 3 **Credits: 2**
- D 296 Intermediate Tap Dance - F **Credits: 2**
- D 297 Intermediate Tap Dance - W **Credits: 2**
- D 298 Intermediate Tap Dance - S **Credits: 2**
- D 300 Human Movement Analysis **Credits: 3**
- D 301 Pointe Technique 1 **Credits: 1**
- D 302 Pointe Technique 2 **Credits: 1**
- D 303 Pointe Technique 3 **Credits: 1**
- D 330 Rhythmic Awareness **Credits: 3**
- D 340 Conditioning for Dancers **Credits: 2**
- D 351 Dance Composition I **Credits: 3**
- D 352 Dance Composition II **Credits: 3**
- D 380 Pre-Advanced Modern Dance - 1 **Credits: 2**
- D 381 Pre-Advanced Modern Dance - 2 **Credits: 2**
- D 382 Pre-Advanced Modern Dance - 3 **Credits: 2**
- D 385 Pre-Advanced Ballet - 1 **Credits: 2**
- D 386 Pre-Advanced Ballet - 2 **Credits: 2**
- D 387 Pre-Advanced Ballet - 3 **Credits: 2**
- D 390 Kinesiology for Dance **Credits: 3**
- D 407 Seminar **Credits: 1-3**
- D 408 Workshop **Credits: 1-3**
- D 450 Dance Repertory **Credits: 1-3**
- D 451 Dance Production **Credits: 3**
- D 451L Dance Production Lab **Credits: 1**
- D 455 Advanced Choreography **Credits: 3**

- D 456 Choreography for the Camera **Credits: 3**
- D 460 Dance and Technology **Credits: 3**
- D 480 Advanced Modern Dance - 1 **Credits: 2**
- D 481 Advanced Modern Dance - 2 **Credits: 2**
- D 482 Advanced Modern Dance - 3 **Credits: 2**
- D 485 Advanced Ballet - 1 **Credits: 2**
- D 486 Advanced Ballet - 2 **Credits: 2**
- D 487 Advanced Ballet - 3 **Credits: 2**
- D 491 Creative Dance for Children **Credits: 3**
- D 494 Dance Teaching Methods **Credits: 3**

Total Credits: 25

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Data Analytics Minor

**Professors:** Cheryl Beaver, Scott Beaver, Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse, Matthew Naby

**Associate professors:** Matthew Ciancecetta, Thaddeus Shannon

**Assistant professors:** Ben Coté, Leanne Merrill

### Mission

The Data Analytics program prepares students to thrive in the constantly evolving field of working with big data. The field is interdisciplinary by nature and is built on a foundation of Mathematics, Computer Science, Information Systems and Data Analytics courses. This program emphasizes the applied practice of data analytics techniques for solving problems in the real world.

### Learning Outcomes

1. Use relevant technology for the analysis of large, complex, or messy data sets to design, implement, and evaluate analytics-based solutions.
2. Use quantitative information in connection with the argument or purpose of the work, present it in an effective format, and explicate it with consistently high quality.
3. Collect, analyze and assess evidence to reach informed conclusions and judgments.

### Core Courses

- CS 161 Computer Science I **Credits: 4**

## Academic Programs

or CS 133 Introduction to Python Programming  
**Credits: 4**

- DATA 101 Foundations of Data Analytics **Credits: 4**
- DATA 432 Introduction to Data Analytics **Credits: 4**
- DATA 434 Data Visualization **Credits: 4**
- MTH 244 Introduction to Probability and Statistics II **Credits: 4**
- or BA 367 Regression Analysis **Credits: 3**
- STAT 243Z Elementary Statistics I **Credits: 4**

### Elective Credits: 4

One upper-division CS, MTH, DATA or IS elective planned with the help of a minor advisor

### Total Credits: 27-28

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Early Childhood Minor, For Non-Education Majors

### Mission

Provide students with a foundation of core knowledge and skills in early childhood development and care. Students will gain competence in developmentally appropriate practices, early childhood development, and play.

### Learning Outcomes

- Develop reflective professionals who are advocates for young children and their families.
- Create an inclusive climate where diversity is valued.
- Develop an understanding of educational policies, structures, and practices that influence young children and their families.

### Core Courses

- ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature **Credits: 3**
- ED 343 Purposes of Play in Learning **Credits: 3**

### Choose One

- ED 231 Typical & Atypical Development **Credits: 3**

- ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade) **Credits: 3**

### Choose One

- ED 285 Introduction to Families **Credits: 3**
- ED 383 Introduction and Overview to Infant Mental Health **Credits: 3**
- ED 419 Poverty, Young Children, and their Families **Credits: 3**
- ED 464 Families & Community Involvement in Early Childhood Education **Credits: 3**

### Choose One

- ED 420 Global Perspectives in Early Childhood Education **Credits: 3**
- ED 425 Early Childhood Policy and Advocacy **Credits: 3**
- ED 470 Home Visiting in Early Childhood **Credits: 3**
- ED 485 Early Childhood Education: Leadership and Administration **Credits: 3**

### Choose One

- ED 340 Standing on the Shoulders of Giants: History & Theories of Early Childhood Education **Credits: 3**
- ED 350 Emergent Literacy **Credits: 3**
- ED 357 Approaches to Early Childhood Education: Montessori, Reggio Emilia, & Waldorf Critical Issues in Early Childhood **Credits: 3**
- ED 448 Early Childhood Curriculum (birth- 4th grade) **Credits: 3**
- ED 472 Trauma Informed Practices in Early Childhood **Credits: 3**

### Total Credits: 18

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Economics Minor

**Professors:** Zenon Zygmunt  
**Associate professor:** Bojan Ilievski

### Mission

## Academic Programs

Trains students in the tools of the discipline and encourages them to apply that knowledge to domestic and international economic and social problems. Introductory and intermediate courses in macroeconomics and microeconomics, a course in econometrics and report writing, as well as additional upper division electives in various economic specialties will prepare students for career goals.

### Learning Outcomes:

1. Apply relevant theoretical models to explore microeconomic and macroeconomic issues.
2. Demonstrate quantitative literacy in the context of economic behavior.
3. Use appropriate writing methods to effectively communicate economic concepts.

### Core Courses

- EC 201 Introduction to Microeconomics **Credits: 4**
- EC 202 Introduction to Macroeconomics **Credits: 4**
- EC 311 Intermediate Microeconomics I **Credits: 4**
- EC 312 Intermediate Microeconomics II **Credits: 4**
- EC 313 Intermediate Macroeconomics **Credits: 4**
- MTH 110 Applied College Mathematics **Credits: 4**  
or MTH 111Z Precalculus I: Functions **Credits: 4**

### Upper Division Elective Credits: 4

Upper Division Economics Courses

Total Credits: 28

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Educational Psychology Minor

**Professors:** David Foster, Ethan McMahan, Lauren Roscoe, Chehalis Strapp, Tamina Toray

**Associate professors:** Jaime Cloud, Alicia Ibaraki

**Assistant professors:** Kathy Espino-Pérez, Jay Schwartz

### Mission

Provide students with an interdisciplinary foundation of knowledge and skills drawn from the fields of psychology and education. Students will develop critical thinking skills and apply research to improve learning, behavior and mental health.

## Learning Outcomes

1. Demonstrate fundamental knowledge and comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles apply to behavioral problems.
2. Apply scientific reasoning and problem solving, including effective research methods to critically analyze human behavior.
3. Demonstrate knowledge of and/or apply ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity.
4. Demonstrate competence in writing and in oral and interpersonal communication skills.
5. Apply psychology-specific content and skills, effective self-reflection, project-management skills, teamwork skills, and career preparation.

The educational psychology minor should be planned with an adviser. Consists of a minimum of 27 credit hours, of which at least 15 hours must be upper division. All students complete a required core, then choose from electives listed below.

### Core Courses

- ED 200 Foundations of Education **Credits: 3**  
or ED 220 Introduction to Early Childhood Education **Credits: 3**  
or SPED 200 Careers in Human Services **Credits: 3**
- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**
- PSY 201 General Psychology **Credits: 4**
- PSY 360 Cognitive Psychology **Credits: 4**  
or PSY 390 Theories of Learning **Credits: 4**

### Elective Credits: 13

- Must include at least 6 hours of ED or SPED coursework.
- Minimum of 13 credits
- ED 224 Creative Arts in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 230 Children's Literature in Diverse Classrooms **Credits: 3**
- ED 231 Typical & Atypical Development **Credits: 3**
- ED 232 Health & Safety Practices for the Early Childhood Environment (birth-4th grade) **Credits: 3**
- ED 233 Applied Adolescent Learning and Development **Credits: 3**
- ED 240 Young Adult Literature in Diverse Classrooms **Credits: 3**

## Academic Programs

- ED 242 Applied Children's Learning and Development **Credits: 3**
- ED 245 Designing Early Childhood Environments (birth-4th grade) **Credits: 3**
- ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature **Credits: 3**
- ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade) **Credits: 3**
- ED 259 Special Education and Inclusive Communities **Credits: 3**
- ED 280 Infant and Toddler Development **Credits: 3**
- ED 322 Early Childhood Motor Development and Movement Education **Credits: 3**
- ED 343 Purposes of Play in Learning **Credits: 3**
- ED 369 Critical Issues in Early Childhood **Credits: 3**
- ED 383 Introduction and Overview to Infant Mental Health **Credits: 3**
- ED 385 Infant and Toddler Observation and Assessment **Credits: 3**
- ED 419 Poverty, Young Children, and their Families **Credits: 3**
- ED 420 Global Perspectives in Early Childhood Education **Credits: 3**
- ED 472 Trauma Informed Practices in Early Childhood **Credits: 3**
- PSY 310 Building Resilience in Children **Credits: 4**
- PSY 311 Developmental Psychology **Credits: 4**
- PSY 349 Introduction to Behavior Modification **Credits: 4**
- PSY 410 Mentoring I **Credits: 1-4**
- PSY 411 Mentoring II **Credits: 1-4**
- PSY 435 Theories of Personality **Credits: 4**
- PSY 449 Psychology of Creativity **Credits: 4**
- PSY 458 Language Development **Credits: 4**
- PSY 463 Childhood Psychopathology **Credits: 4**
- PSY 465 Motivation **Credits: 4**
- PSY 480 Infancy and Childhood **Credits: 4**
- PSY 482 Adolescence **Credits: 4**
- SPED 418 Survey of Special Education **Credits: 3**
- SPED 447 Partnerships in Special Education **Credits: 3**

Total Credits: 27

- Minimum of 27 credits

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## English Studies Minor

### Mission

Provides personalized learning opportunities leading to advanced studies or a variety of careers including teaching, writing, editing, linguistics and literature. The various programs help students develop a broad knowledge of literature, language and writing to foster analytical and critical skills. Students encounter new ideas; appreciate aesthetic and practical language; become impassioned readers, writers and thinkers; and gain perspectives in assimilating and evaluating their new experiences.

### Learning Outcomes

1. Develop a broad grasp of the linguistic, literary, and rhetorical components of English as a field of study.
2. Analyze how varied uses of the English language have contributed to American and global cultures.
3. Apply theories and research methods as appropriate to analyze and produce texts for a variety of purposes.

### Core Courses

- Lower- or upper-division courses from English, Linguistics, Literature, or Writing **Credits: 8**
- Upper-division courses from English, Linguistics, Literature, or Writing **Credits: 16**

Total Credits: 24

### Note:

May not be combined with a major in any English Studies concentration. Students planning any English area minor need to be aware of prerequisites for upper-division courses. Planning with an advisor is essential.

### Satisfactory Grade Use

Writing (WR) and Linguistics (LING) course requirements may be fulfilled with a grade of S.

Literature (LIT) course requirements may not be fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any LIT courses that will be used in the program.

## English to Speakers of Other Languages (ESOL) Minor

# Academic Programs

## Mission

Prepare teachers to ensure that students succeed in all aspects of their schooling: academics, socialization, linguistic development, acculturation and physical and emotional health.

## Learning Outcomes

1. Prepare teachers to understand how first and second languages are acquired and developed and apply research-based teaching and assessment practices that address the needs of English language learners in a variety of school settings.
2. Prepare teachers to foster a classroom climate that is inclusive in all diversity and understand the influence of culture on students' learning process and academic achievement.
3. Prepare teachers who are knowledgeable about policies related to the education of English language learners and who collaborate with colleagues, administrators and families to meet their learners' needs.

As the demographics of the state change and the language minority population increases, teachers need to be prepared to educate culturally and linguistically diverse (CLD) students. Teachers with ESOL education credentials are in high demand and are usually first to be hired by school districts with high CLD populations. This program prepares teachers to work effectively with CLD students in mainstream, sheltered bilingual and English Language Development (ELD) classrooms.

## Core Courses

- ED 482 Foundations of ESOL/Bilingual Education **Credits: 3**
- ED 483 Culture, Community and the ESOL/Bilingual Classroom **Credits: 3**
- ED 484 First and Second Language Acquisition and Educational Linguistics **Credits: 3**
- ED 491 Curriculum Models, Instructional Approaches and Assessment Strategies for Emergent Bilinguals **Credits: 3**
- ED 492 Classroom Strategies for English Language Development in ESOL and Bilingual Settings **Credits: 3**

**Total Credits: 15**

**Note:**

ED 481 Introduction to ESOL and Bilingual Education is a prerequisite for all above courses in the ESOL minor.

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Entrepreneurship Minor

**Professor:** TBA

## Mission

Provides an opportunity to learn more about starting and managing your own business. The program combines theoretical study and practical experience, creating a challenging program that provides students the skills and knowledge for initiating and operating successful ventures.

## Learning Outcomes

1. Explain the unique characteristics of the entrepreneurial business environment.
2. Interpret and analyze information to solve problems or make decisions related to business start-ups and small business management.
3. Use appropriate writing methods to communicate concepts relevant to entrepreneurs.

## Core Courses

- BA 211 Financial Accounting **Credits: 4 \***
- BA 310 Principles of Marketing **Credits: 3 \***
- ENT 320 Entrepreneurial Finance **Credits: 1**
- ENT 330 Planning and Creating New Ventures **Credits: 3**
- ENT 350 Small Business Management **Credits: 3**

## Choose One

- ENT 360 Small Business Marketing **Credits: 3**
- ENT 460 Entrepreneurship in Action **Credits: 3**

## Choose Two

- ENT 380 Entrepreneurs Today **Credits: 1**
- ENT 381 Creativity and Entrepreneurs **Credits: 1**
- ENT 382 Innovation and Strategy **Credits: 1**
- ENT 383 Entrepreneurs and Society **Credits: 1**
- ENT 384 Going Into Business In Oregon **Credits: 1**

**Total Credits: 19**



## Academic Programs

### Note:

\* If business major, choose any business or economics elective.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Environmental Studies Minor

**Professors:** Bryan Dutton, Michael McGlade, Mary Pettenger, Emily Plec, Stephen Taylor, Jeffrey Templeton

**Associate professors:** Susan Daniel, Mark Van Steeter

**Assistant professor:** David Szpakowski

## Mission

Educate students about the physical, biological, and social dimensions of the environment. The program content focuses on specific topics and skills central to understanding environmental issues and promotes pathways to jobs in environmental professions.

## Learning Outcomes

1. Explain the interconnectedness of humans and the environment.
2. Apply problem solving skills to real-world environmental issues.
3. Demonstrate knowledge of current environmental issues in a community context.

## Choose One Foundational Natural Science Course

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- CH 104 Chemistry and the Environment **Credits: 4**
- ES 104 Exploring the Physical Earth **Credits: 4**
- ES 105 Discoveries in Earth Science **Credits: 4**
- ES 106 Exploring the Oceans and Atmosphere **Credits: 4**
- ES 201 Principles of Geology **Credits: 4**
- ES 202 Principles of Geology **Credits: 4**
- ES 203 Principles of Geology **Credits: 4**

## Choose One Foundational Social Science/Humanities Course

- ANTH 214 Physical Anthropology **Credits: 4**
- COM 380 Environmental Communication **Credits: 4**
- GEOG 240 Map & Air Photo Interpretation **Credits: 4**
- PHL 255 Environmental Ethics **Credits: 4**
- SOC 225 Social Problems **Credits: 4**
- SUST 101 Sustainable World **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**

## Choose Three Environmental Science Courses

- ANTH 311 Human Evolution **Credits: 4**
- BI 317 Vertebrate Natural History **Credits: 5**
- BI 321 Systematic Field Botany **Credits: 4**
- BI 370 Humans and the Environment **Credits: 4**
- BI 461 Conservation Biology **Credits: 4**
- ES 322 Geomorphology and Aerial Photo Interpretation **Credits: 4**
- ES 324 Living With Earthquakes and Volcanoes **Credits: 4**
- ES 331 Introduction to Oceanography **Credits: 3**
- ES 340 Geospatial Techniques **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 354 Geology of Earthquakes **Credits: 4**
- ES 360 Earth Resources and the Environment **Credits: 4**
- ES 390 Basic Meteorology **Credits: 3**
- ES 420 Medical Geology **Credits: 4**
- ES 453 Geology of the Pacific Northwest **Credits: 4**
- ES 454 Volcanology **Credits: 4**
- ES 470 River Environments of Oregon **Credits: 4**
- ES 473 Environmental Geology **Credits: 4**
- ES 476 Hydrology **Credits: 4**
- ES 486 Petroleum Geology **Credits: 4**
- ES 491 Sedimentary Systems I **Credits: 4**
- SUST 321 Field Geography **Credits: 4**
- SUST 390 Global Climate Change **Credits: 4**
- SUST 391 Biogeography **Credits: 4**
- SUST 393 Soils and Sustainability **Credits: 4**

## Choose Three Environmental Policy Courses

- ANTH 396 Environmental Anthropology **Credits: 4**
- HST 460 The Black Death **Credits: 4**
- HST 489 Environmental History **Credits: 4**
- HST 492 Pacific Northwest History **Credits: 4**
- HST 496 Empire and Environment **Credits: 4**

## Academic Programs

- PS 447 Environmental Politics and Policy **Credits: 4**
- PS 449 Environmental Values and Political Action **Credits: 4**
- PS 477 International Environmental Politics **Credits: 4**
- SOC 290 World Population and Social Structure **Credits: 3**
- SOC 327 Social Research Methods **Credits: 4**
- SOC 400 Globalization and Development **Credits: 4**
- SUST 331 Environmental Justice **Credits: 4**
- SUST 370 Energy, Environment and Society **Credits: 4**
- SUST 380 Environmental Conservation **Credits: 4**
- SUST 385 Nature in the American West **Credits: 4**

Total Credits: 29-33

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Ethics and Social Justice Minor

**Professor:** Ryan Hickerson

### Mission

Create and provide a unique learning experience to empower students with the knowledge, skills, empathy, and understanding of ethics, social problems, and social justice. This process will enable students to be better informed of conditions of social injustice and better able to become activists for social justice and make positive changes in their communities.

### Learning Outcomes

1. Develop an understanding of social and political forces and injustices that are present in today's world.
2. Develop critical thinking skills to better comprehend social justice issues and better construct effective arguments for change.
3. Develop personal and social responsibility and ability to effectively engage in activism for social change.
4. Develop cultural competence and socially-conscious worldview.

### Core Courses

- PHL 100 Critical Thinking: Informal Logic **Credits: 4**
- PHL 253 Civil Disobedience and Justice **Credits: 4**

- PHL 350 Social and Political Philosophy **Credits: 4**

### Choose One

- PHL 102 Introduction to Philosophy: Personal Morality and Social Justice **Credits: 4**
- PHL 251 Ethics **Credits: 4**

### Choose Two

- ANTH 372 Social Constructions of Race **Credits: 4**
- CJ 445 Race and Justice **Credits: 4**
- COM 321 Influence Through Argument **Credits: 4**
- COM 342 Media Literacy **Credits: 4**
- COM 370 Communication Ethics **Credits: 4**
- COM 402 Rhetoric, Race, Resistance **Credits: 4**
- COM 442 Communication and Social Change **Credits: 4**
- PHL 255 Environmental Ethics **Credits: 4**
- PHL 380 Philosophy of Law **Credits: 4**
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 441 Causes of Peace **Credits: 4**
- PS 442 Peacebuilding and Public Policy **Credits: 4**
- PS 443 Great Peacemakers **Credits: 4**
- PS 494 Human Rights **Credits: 4**
- SOC 225 Social Problems **Credits: 4**
- SOC 340 Community Organizing **Credits: 4**
- SOC 341 Community Action **Credits: 4**
- SOC 427 Revolutionary Social Movements **Credits: 3**
- SOC 434 African American Studies: Social Issues, Social Movements **Credits: 3**
- SOC 435 Chicano/a/Latino/a Studies: Social Issues, Social Movements **Credits: 4**
- SOC 436 Native American/Asian American Studies: Social Issues, Social Movements **Credits: 3**
- SOC 437 Sociology of Race/Ethnic Relations **Credits: 4**
- SOC 465 Introduction to LGBTQ Studies **Credits: 4**
- SSC 201 Introduction to Gender Studies **Credits: 3**

Total Credits: 22-24

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Ethnic Studies Minor

**Professors:** Kenneth Carano, Maureen Dolan, Michael

## Academic Programs

McGlade, Mary Pettenger

**Associate professors:** Kathleen Connolly, Jaime Marroquin

**Visiting assistant professors:** Ricardo Pelegrin Taboada

## Mission

A minor in Ethnic Studies prepares students for careers that actively promote a more equitable and just society through analysis of culture, race, and ethnicity in global, national and regional history and the present. The minor empowers students to understand and address issues of inequality in a wide range of professional areas, including government, non-profit, corporations, media and academic institutions.

## Learning Outcomes

1. Evaluate the experiences and histories of the diverse ethnic groups in the United States and in global contexts
2. Analyze systemic discrimination and the history, processes and methods of how ethnic groups and indigenous peoples have fought for equal rights and self-empowerment
3. Demonstrate cultural competency through an understanding of the various forms of social discrimination via professional and non-professional practices

## Core Courses

- ETH 201 Introduction to Ethnic Studies **Credits: 4**
- ETH 202 Introduction to Cultural Studies **Credits: 4**  
or ANTH 216 Cultural Anthropology **Credits: 4**
- SOC 437 Sociology of Race/Ethnic Relations **Credits: 4**  
or ETH 409 Practicum **Credits: 4**

## Elective Credits: 12

Students will take courses of their choice for their elective credits from the Ethnic Studies concentrations in consultation with their Ethnic Studies academic advisor. At least eight credits must be upper-division.

## Total Credits: 24

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Exercise Science Minor

**Professors:** Jeffrey Armstrong, Marita Cardinal, Gay Timken

**Associate professors:** Laura Ellingson-Sayen, Jennifer Taylor-Winney

## Mission

To provide students with a foundation of the critical components of exercise science, including knowledge and skills underlying key aspects of human movement and performance.

## Learning Outcomes

1. Students will acquire a basic understanding of human movement science.
2. Students will examine human movement in the context of individual, environmental, and task constraints.
3. Students will utilize effective, evidence-based exercise intervention strategies appropriate for a range of individuals.

## Core Courses

- EXS 245 Foundations of Strength Training and Conditioning **Credits: 4**
- EXS 310 Motor Behavior **Credits: 4**
- EXS 370 Sociological and Psychological Aspects of Physical Activity **Credits: 4**
- EXS 371 Biomechanics **Credits: 4**

## Choose Three

- EXS 230 Foundations of Exercise Science **Credits: 4**
- EXS 244 Group Exercise Leadership **Credits: 3**
- EXS 373 Physiology of Exercise **Credits: 4**
- EXS 383 Kinesiology **Credits: 4**
- EXS 444 Lifespan Adapted Physical Activity **Credits: 4**
- EXS 453 Pathophysiology and Exercise **Credits: 4**
- EXS 455 Physical Activity & Aging **Credits: 4**
- EXS 465 Motivational Interviewing **Credits: 4**
- EXS 477 Advanced Programming for Sport and Fitness **Credits: 4**
- EXS 488 Exercise Motivation and Adherence **Credits: 4**
- EXS 490 Research Methods **Credits: 4**
- HE 426 Sports and Exercise Nutrition **Credits: 4**

## Total Credits: 27-28

# Academic Programs

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Film Studies Minor

**Professors:** Shaun Huston, Gavin Keulks, Mark Perlman, Michael Phillips, Emily Plec, Robin Smith  
**Associate professors:** Daniel Tankersley, Kathleen Connolly

## Mission

To engage students in the critical study of moving images, including opportunities for practical experience in film and video making and criticism.

## Learning Outcomes

1. Explain the power of visual media to shape perceptions of the world.
2. Analyze moving image arts and media through a variety of critical theories and/or strategies.
3. Explain the relationships of moving image arts and media to the multiple contexts in which they are embedded.

## Core Courses

- ANTH 369 Evolution of Ethnographic Film **Credits: 4**
- CA 320 Documenting Society **Credits: 4**
- COM 446 Critical Media Analysis **Credits: 4**
- LIT 386 Form and Meaning in Film **Credits: 4**
- TA 112 Introduction to Film **Credits: 3**

## Elective Credits: 8

8 credits minimum from one of the following two tracks:

### Application & Analysis Track:

- A 305 History of Modern Art, 1914-1965 **Credits: 4**
- A 306 History of Modern Art, 1965-Present **Credits: 4**
- ANTH 376 Cultures of South Asia **Credits: 4**
- ANTH 381 African Film & Society **Credits: 4**
- ASL 327 Deaf Cinema History **Credits: 3**
- COM 211 Introduction to Mass Communication **Credits: 4**
- COM 328 Law and Popular Culture **Credits: 4**
- COM 342 Media Literacy **Credits: 4**
- COM 412 Analyzing Popular Culture **Credits: 4**

- COM 426 Language of the Mass Media **Credits: 4**
- COM 444 Global Media **Credits: 4**
- EXS 423 Sport in Film **Credits: 4**
- FLM 406 Special Individual Studies **Credits: 1-4**
- FR 340 Topics in French Arts and Culture **Credits: 3**
- GL 310 German Film and Conversation **Credits: 4**
- HST 437 World War II in Film **Credits: 4**
- HST 439 Colonial Cultures **Credits: 4**
- LIT 317 Introduction to Literary Studies I **Credits: 4**
- MUS 104 Music in Film **Credits: 3**
- PHL 282 Philosophy of Art **Credits: 4**
- PS 478 Political Fiction and Film **Credits: 4**
- SPAN 210 Topics in Hispanic Film **Credits: 4**
- SPAN 342 The Politics of Latino Film and Art **Credits: 4**
- SPAN 435 Contemporary Hispanic Societies Through Film **Credits: 4**

### Production Track:

- A 120 Beginning Digital Art & Design **Credits: 4**
- A 262 Digital Images & Photography I **Credits: 4**
- A 462 Digital Images & Photography II **Credits: 4**
- A 324 Interactive Media: Applied **Credits: 4**
- A 326 Video & Animation I **Credits: 4**
- A 327 Video & Animation II **Credits: 4**
- CA 404 Creative Production Capstone **Credits: 4**
- COM 113 Social Media and Digital Advocacy **Credits: 4**
- COM 399 Special Studies **Credits: 1-4**
- COM 455 Creating Documentary and Digital Films **Credits: 4**
- FLM 409 Practicum **Credits: 1-4**
- MUP 110 Music Performance - Audio Production **Credits: 2-4**
- MUP 300 Music Performance - Non-Juried **Credits: 2-4**
- MUS 382 Digital Music Production **Credits: 3**
- MUS 383 Advanced Music Production **Credits: 3**
- MUS 421 Music Media Production I **Credits: 3**
- MUS 422 Music Media Production II **Credits: 3**
- MUS 423 Music Media Production III **Credits: 3**
- TA 251 Elements of Acting **Credits: 3**
- TA 265 Acting I **Credits: 4**
- TA 271 Acting II **Credits: 4**
- TA 330 Script Writing **Credits: 4**
- TA 348 Lighting Design **Credits: 4**
- TA 370 Acting For The Camera **Credits: 4**
- TA 410 Acting for the Camera II **Credits: 3**
- TA 448 Advanced Lighting Design **Credits: 4**
- WR 401 Writing Across Media **Credits: 4**

## Academic Programs

Total Credits: 27

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Forensic Anthropology Minor, Criminal Justice Majors

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel

**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl

**Coordinator:** Misty Weitzel

### Mission

Provide students with a high-quality liberal arts education in the interdisciplinary field of criminal justice. Maintain a network of local, state, federal and academic institutions through outreach and research. Criminal Justice majors are prepared to engage in civic endeavors and to assume field positions in criminal justice and social service agencies or enter graduate programs.

### Learning Outcomes

1. Explain and analyze the role of each component of the criminal justice field and how they relate to each other.
2. Analyze and articulate the multitude of issues, theories, policies, practices and current challenges related to the ethical administration of justice in a free society.
3. Apply basic theories and practices in real world contexts.

### Core Courses

- CJ 322 Forensic Anthropology **Credits: 4**  
or ANTH 322 Forensic Anthropology **Credits: 4**
- CJ 328 Forensic Osteology **Credits: 4**  
or ANTH 328 Forensic Osteology **Credits: 4**
- CJ 443 Advanced Forensic Anthropology **Credits: 4**  
or ANTH 443 Advanced Forensic Anthropology **Credits: 4**

### Choose Three

- ANTH 214 Physical Anthropology **Credits: 4**
- ANTH 215 Archaeology **Credits: 4**
- ANTH 216 Cultural Anthropology **Credits: 4**

- ANTH 311 Human Evolution **Credits: 4**
- ANTH 313 North American Prehistory **Credits: 4**
- ANTH 324 Anthropological Theory **Credits: 4**
- ANTH 392 Applied Anthropology **Credits: 4**
- ANTH 432 Human Rights **Credits: 4**
- CJ 245 GIS Maps and Spatial Information **Credits: 4**
- CJ 321 Principles of Forensic Investigations **Credits: 4**
- CJ 333 Forensic DNA Analysis **Credits: 4**  
or ANTH 333 Forensic DNA Analysis **Credits: 4**
- CJ 372 Social Constructions of Race **Credits: 4**  
or ANTH 372 Social Constructions of Race **Credits: 4**
- PSY 336 Introduction to Forensic Psychology **Credits: 4**

Total Credits: 24

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Forensic Anthropology Minor, Other Majors

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel

**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl

**Coordinator:** Misty Weitzel

### Mission

Provide students with a high-quality liberal arts education in the interdisciplinary field of criminal justice. Maintain a network of local, state, federal and academic institutions through outreach and research. Criminal Justice majors are prepared to engage in civic endeavors and to assume field positions in criminal justice and social service agencies or enter graduate programs.

### Learning Outcomes

1. Explain and analyze the role of each component of the criminal justice field and how they relate to each other.
2. Analyze and articulate the multitude of issues, theories, policies, practices and current challenges related to the ethical administration of justice in a free society.

## Academic Programs

3. Apply basic theories and practices in real world contexts.

### Core Courses

- ANTH 322 Forensic Anthropology **Credits: 4**  
or CJ 322 Forensic Anthropology **Credits: 4**
- ANTH 328 Forensic Osteology **Credits: 4**  
or CJ 328 Forensic Osteology **Credits: 4**
- ANTH 443 Advanced Forensic Anthropology **Credits: 4**  
or CJ 443 Advanced Forensic Anthropology **Credits: 4**

### Choose Three

- ANTH 214 Physical Anthropology **Credits: 4**
- ANTH 215 Archaeology **Credits: 4**
- ANTH 216 Cultural Anthropology **Credits: 4**
- ANTH 311 Human Evolution **Credits: 4**
- ANTH 313 North American Prehistory **Credits: 4**
- ANTH 324 Anthropological Theory **Credits: 4**
- ANTH 333 Forensic DNA Analysis **Credits: 4**  
or CJ 333 Forensic DNA Analysis **Credits: 4**
- ANTH 372 Social Constructions of Race **Credits: 4**  
or CJ 372 Social Constructions of Race **Credits: 4**
- ANTH 392 Applied Anthropology **Credits: 4**
- ANTH 432 Human Rights **Credits: 4**
- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 219 Ethics and Leadership in Criminal Justice **Credits: 4**
- CJ 245 GIS Maps and Spatial Information **Credits: 4**
- CJ 321 Principles of Forensic Investigations **Credits: 4**
- CJ 327 Research Methods in Criminal Justice **Credits: 4**
- CJ 427 Quantitative Methods in Criminal Justice **Credits: 4**
- CJ 445 Race and Justice **Credits: 4**
- PSY 336 Introduction to Forensic Psychology **Credits: 4**

**Total Credits: 24**

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Forensic Chemistry Minor

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

### Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry, environmental or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

### Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.
6. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social responsibility to recognize the impact that our actions have on the natural and human world.

Students completing this minor are required to maintain a C-average within the required courses.

This minor is designed for students majoring in Natural Science Degrees other than Chemistry (Biology, Earth Science, and Natural Science), but the Forensic Chemistry Minor can be complementary to any major, as long as the prerequisite courses CH 221- CH 222- CH 223 are completed.

### Core Courses

## Academic Programs

- CH 312 Analytical Chemistry **Credits: 4**
- CH 320 Introduction to Forensic Science **Credits: 4**
- CH 334 Organic Chemistry **Credits: 4**
- CH 335 Organic Chemistry **Credits: 4**
- CH 336 Organic Chemistry **Credits: 4**
- CH 420 Forensic Laboratory Techniques and Documentation **Credits: 4**
- COM 327 Communication in the Legal Field **Credits: 4**

### Elective Credits: 3-4

- CH 161 Crime Scene Analysis **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**
- CH 430 Applications of Forensic Science **Credits: 3**
- CJ 321 Principles of Forensic Investigations **Credits: 4**

### Total Credits: 31-32

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Forensic Psychology Minor

**Professors:** David Foster, Ethan McMahan, Lauren Roscoe, Chehalis Strapp, Tamina Toray

**Associate professors:** Jaime Cloud, Alicia Ibaraki

**Assistant professors:** Kathy Espino-Pérez, Jay Schwartz

## Mission

Create lifelong learners in psychology utilizing the scientist-practitioner model. Graduates of our program will understand the scientific foundations of the discipline and the core knowledge/concepts in the field. Graduates will also be able to apply psychology to solve human difficulties; at both personal levels with self and others and at a community level with the issues and problems that face us as a society, a nation and a world.

## Learning Outcomes

1. Demonstrate fundamental knowledge and comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles apply to behavioral problems.

2. Apply scientific reasoning and problem solving, including effective research methods to critically analyze human behavior.
3. Demonstrate knowledge of and/or apply ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity.
4. Demonstrate competence in writing and in oral and interpersonal communication skills.
5. Apply psychology-specific content and skills, effective self-reflection, project-management skills, teamwork skills, and career preparation.

The Forensic Psychology minor should be planned with a psychology adviser. The Forensic Psychology minor consists of 27 credits, of which at least 15 credits must be upper division. All students complete a required core and then choose from the electives listed below.

## Core Courses

- CJ 213 Introduction to Criminal Justice **Credits: 4**
- CJ 252 American Courts **Credits: 4**
- CJ 450 Criminology **Credits: 4**
- PSY 202 General Psychology **Credits: 4**
- PSY 336 Introduction to Forensic Psychology **Credits: 4**
- PSY 438 Advanced Forensic Psychology **Credits: 4**

## Choose One

- ANTH 322 Forensic Anthropology **Credits: 4**
- ANTH 328 Forensic Osteology **Credits: 4**
- CH 320 Introduction to Forensic Science **Credits: 4**
- CJ 225 Substance Abuse: Causes, Enforcement, Prevention **Credits: 4**
- CJ 322 Forensic Anthropology Credits: 4
- CJ 328 Forensic Osteology **Credits: 4**
- CJ 352 Criminal Law **Credits: 4**
- CJ 453 Corrections **Credits: 4**
- CJ 455 Correctional Casework and Counseling **Credits: 4**
- CJ 463 Topics on Juvenile Issues **Credits: 4**
- COM 327 Communication in the Legal Field **Credits: 4**
- COM 328 Law and Popular Culture **Credits: 4**
- HE 366 Alcohol, Tobacco and Other Drugs **Credits: 4**
- HE 412 Bullying **Credits: 4**
- PHL 251 Ethics **Credits: 4**
- PHL 380 Philosophy of Law **Credits: 4**
- PSY 328 Mental Health **Credits: 4**
- PSY 450 Psychopathology **Credits: 4**
- PSY 451 Behavioral Neuroscience **Credits: 4**

## Academic Programs

- PSY 461 Psychopharmacology **Credits: 4**
- PSY 463 Childhood Psychopathology **Credits: 4**
- SOC 225 Social Problems **Credits: 4**
- SOC 354 Sociology of Deviant Behavior **Credits: 4**

Total Credits: 27-28

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Forensic Science Minor

**Professor:** Patricia Flatt  
**Associate professor:** Feier Hou

### Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry, environmental or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

### Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.
6. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social

responsibility to recognize the impact that our actions have on the natural and human world.

Students completing this minor are required to maintain a C average within the required courses.

## Core Courses

- BI 102 General Biology: The Foundations of Life **Credits: 4**
- CH 103 Allied Health Chemistry **Credits: 5**
- CH 161 Crime Scene Analysis **Credits: 4**
- CH 320 Introduction to Forensic Science **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**
- CH 430 Applications of Forensic Science **Credits: 3**

## Elective Credits: 4

- CH 322 Medicinal Chemistry and Pharmacology **Credits: 4**
- CJ 321 Principles of Forensic Investigations **Credits: 4**
- CJ 322 Forensic Anthropology **Credits: 4**  
or ANTH 322 Forensic Anthropology **Credits: 4**
- CJ 328 Forensic Osteology **Credits: 4**
- CJ 333 Forensic DNA Analysis **Credits: 4**
- CJ 452 Criminal Procedure **Credits: 4**
- PSY 336 Introduction to Forensic Psychology **Credits: 4**

Total Credits: 27

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## French Minor

### Mission

Create and transmit knowledge concerning the French language, literature and culture in a climate that promotes ease of communication and mutual understanding.

### Learning Outcomes

1. Speak, aurally comprehend, write and read French at a level suitable for graduate education or careers in



## Academic Programs

- business, government, social services, tourism.
2. Explain and apply French cultural and historical perspectives to events and ideas in a globalized society.
3. Analyze and critique original texts and cultural artifacts from French/Francophone sources.

## Core Courses

- FR 301 Intermediate French Composition and Phonetics I **Credits: 4**
- FR 302 Intermediate French Composition and Phonetics II **Credits: 4**
- FR 303 Intermediate French Composition and Phonetics III **Credits: 4**

## Upper Division Credits: 6

Upper division French courses.

## Total Credits: 18

### Note:

Students who begin coursework at a higher level than 301 can substitute other courses in consultation with their adviser. Students must maintain a 2.0 GPA in their minor courses.

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Gender Studies Minor

**Professors:** Maureen Dolan, Patricia Goldsworthy-Bishop, Kimberly Jensen

**Associate Professor:** Elizabeth Swedo

## Mission

Explores scholarship on women and gender. Historical and cross-cultural perspectives, critical theory and interdisciplinary approaches are employed to examine questions of gender difference, inequality and exclusion. In keeping with the philosophy of liberal arts education, the goal of gender studies is to better understand and ultimately to transform our lives and the world in which we live.

## Learning Outcomes

1. Analyze how gender roles and ideologies are differently constructed and expressed in different

cultures.

2. Explain the history of patriarchy and analyze the history of efforts to balance its effects.
3. Explain how race, class, gender and other categories of difference interact in society.

## Core Courses

### Choose Three

- ANTH 370 Women Hold Up Half the Sky **Credits: 4**
- HST 404 Gender Issues in History, I **Credits: 4**
- HST 405 Gender Issues in History, II **Credits: 4**
- PS 436 Gender and Public Policy **Credits: 4**
- SOC 360 Sociology of Gender **Credits: 4**

## Elective Credits: 16

Choose from at least two divisions.

### Creative Arts

- A 405 Art History: Gender in Art **Credits: 4**

### Education

- HE 367 Human Sexuality **Credits: 4**

### Humanities

- COM 335 Communication and Gender **Credits: 4**
- COM 435 Rhetoric of the Women's Movement **Credits: 4**
- COM 436 Gender Theory and Activism **Credits: 4**
- LIT 383 Gender and Literature **Credits: 4**
- SPAN 445 Hispanic Women Writers **Credits: 4**

### Psychology

- PSY 492 Psychology of Women **Credits: 4**

### Criminal Justice Sciences

- CJ 435 Gender, Crime and Justice **Credits: 4**

### Social Science

## Academic Programs

- HST 425 Modern France: Revolution and Napoleon **Credits: 4**
- HST 426 Modern France: 19th Century **Credits: 4**
- HST 427 Modern France: 20th Century **Credits: 4**
- HST 439 Colonial Cultures **Credits: 4**
- HST 440 Gender and Colonialism **Credits: 4**
- HST 445 Postcolonial North Africa **Credits: 4**
- HST 452 Women and Family in the Middle Ages **Credits: 4**
- HST 471 Women in Japanese Society **Credits: 4**
- HST 472 Women in Chinese Society **Credits: 4**
- HST 481 American Voices: Autobiography, Biography and Memoir in American History **Credits: 4**
- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**
- HST 493 Women in Oregon History **Credits: 4**
- SOC 338 Sociology of the Family **Credits: 4**
- SOC 437 Sociology of Race/Ethnic Relations **Credits: 4**
- SOC 440 Women and Development **Credits: 4**
- SOC 460 Feminist Theory **Credits: 3**
- SSC 403 Field Study **Credits: 1-9** Credits: 4

Total Credits: 27-28

### Note:

SSC 403, with a focus on some aspect of gender, is encouraged. Also, minor may include any seminar that focuses on adding content on/by women to the curriculum or that substantially and explicitly addresses gender issues and feminist theory in the treatment of its subject area or a course in which the student has the option of selecting and exploring gender-related topics in the process of developing a special skill, e.g. an advanced writing course.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Geographic Information Science Minor

**Professors:** Jeffrey Myers, Stephen Taylor, Jeffrey Templeton  
**Assistant professor:** David Szpakowski

## Mission

The Geographic Information Science (GIS) Minor is part of the Earth and Environmental Science program. The program mission is to provide a liberal arts education in

geoscience with an emphasis on scientific methods, problem solving and interdisciplinary science education. A key objective of the minor is to prepare undergraduates for careers as professional geoscientists and educators. The program also promotes the development of an informed citizenry for wise decision-making on issues related to natural resources, environmental quality and sustainability in Oregon and beyond. In addition, GIS skills are a key component of workforce development in the 21st century marketplace.

## Learning Outcomes

1. Demonstrate knowledge of Geographic Information Science and geospatial technology.
2. Apply geospatial technology to solve real-world problems and communicate results.
3. Conduct scientific investigations as part of undergraduate degree studies.

## Core Courses

- ES 340 Geospatial Techniques **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 343 Remote Sensing **Credits: 4**
- ES 492 Advanced GIS Applications in Earth Science **Credits: 4**

## Choose One

- ES 202 Principles of Geology **Credits: 4**
- GEOG 240 Map & Air Photo Interpretation **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**

Total Credits: 24

### Note:

The Geographic Information Science minor is designed for undergraduate students working towards a baccalaureate degree. A certificate option is also available for post-baccalaureate students or professionals seeking continuing education. Students completing the GIS Minor are not eligible for the GIS Certificate program, nor are they eligible for the Information Systems and Data Analytics GIS Concentrations.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Academic Programs

### German Minor

#### Mission

Create and transmit knowledge concerning the German language, literature and culture in a climate that promotes ease of communication and mutual understanding.

#### Learning Outcomes

1. Speak, aurally comprehend, write and read German at a level suitable for graduate education or careers in business, government, social services or tourism.
2. Explain and apply German cultural and historical perspectives to events and ideas in a globalized society.
3. Analyze and critique original texts and cultural artifacts from German sources.

#### Core Courses

- GL 301 Third Year German **Credits: 4**
- GL 302 Third Year German **Credits: 4**
- GL 303 Third Year German **Credits: 4**

#### Upper Division Elective Credits: 6

Upper division German courses.

- Not GL 342D, 343D, 344D or other courses which are taught in English.

#### Total Credits: 18

#### Note:

Students who begin coursework at a higher level than 301 can substitute other courses in consultation with their adviser. Students must maintain a 2.0 GPA in their minor courses.

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Gerontology: Aging and Older Adulthood Minor

**Professor:** Margaret Manoogian

**Associate professor:** Melissa Cannon

**Dual appointed professor:** Tamina Toray

### Mission

Provide students with a multidisciplinary foundation of core knowledge and skills drawn from the fields of gerontology, psychology, social work, health, political science, communications and business. Students will gain competence in accessing, evaluating and integrating sources of knowledge within the field. They will develop and refine essential skills through service-learning and practicum experiences. Graduates will apply such knowledge and skills in a manner consistent with an understanding of professional standards and practice.

#### Learning Outcomes

1. Identify the needs of older adults and assess different approaches to address those needs.
2. Explain the cognitive, physical and social changes associated with older adulthood.
3. Apply perspectives from two or more disciplines to understand the needs of older adults.

The Gerontology minor should be planned with a Gerontology adviser. The minor consists of 28 hours of focused coursework beyond introductory prerequisite coursework.

#### Core Courses

- GERO 320 Introduction to Aging **Credits: 4**
- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- GERO 455 Social Ties and Aging **Credits: 4**

#### Elective Credits: 16

- GERO 120 Medical Terminology I **Credits: 4**
- GERO 200 The Aging Self: Your Pathway Through Adulthood **Credits: 4**
- GERO 340 Intersectionality: Inequalities and Vulnerabilities in Older Adulthood **Credits: 4**
- GERO 370 Aging and Mental Health **Credits: 4**
- GERO 407 Seminar **Credits: 1-12**
- GERO 410 Practicum in Gerontology I **Credits: 4**
- GERO 415 Aging in Our Physical and Social Environments **Credits: 4**
- GERO 420 Global Aging **Credits: 4**
- GERO 425 Reminiscence, Life Review, and Aging **Credits: 4**
- GERO 430 Palliative Care and Chronic Illness **Credits: 4**
- GERO 460 Housing and Long-Term Care for Older Adults **Credits: 4**

## Academic Programs

- GERO 480 Alzheimer's Disease and Other Dementias Management **Credits: 4**
- GERO 484 Death, Dying and Grief **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PSY 311 Developmental Psychology **Credits: 4**
- PSY 461 Psychopharmacology **Credits: 4**
- PSY 483 Adulthood and Aging **Credits: 4**

Total Credits: 28

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Healthcare Science Minor

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

**Assistant professor:** Mary Layne Harrell

## Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry, environmental or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

## Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.

6. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social responsibility to recognize the impact that our actions have on the natural and human world.

Formal admission is required for all students seeking a chemistry or chemistry-forensic chemistry concentration degree. Typically, application for admission will be made at the end of a student's sophomore year by completing a degree plan with the adviser. Prior to admission, the student should have completed the set of courses below.

## Core Courses

- BI 102 General Biology: The Foundations of Life **Credits: 4**
- CH 103 Allied Health Chemistry **Credits: 5**
- CH 247 Foundations of Integrative Medicine **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**

## Elective Credits: 12

- BI 234 Human Anatomy and Physiology **Credits: 4**
- BI 235 Human Anatomy and Physiology **Credits: 4**
- BI 236 Human Anatomy and Physiology **Credits: 4**
- CH 106 Scientific Advances in Medicine **Credits: 4**
- CH 322 Medicinal Chemistry and Pharmacology **Credits: 4**
- GERO 320 Introduction to Aging **Credits: 4**
- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- HE 325 Nutrition **Credits: 4**
- HE 346 Infectious Disease and Injury Prevention **Credits: 4**
- HE 348 Chronic Disease Prevention and Control **Credits: 4**
- HE 413 Complementary and Alternative Medicine **Credits: 4**
- HE 485 Bioethics and Public Health **Credits: 4**

Total Credits: 28

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Academic Programs

### History Minor

**Professors:** David Doellinger, Patricia Goldsworthy-Bishop, Kimberly Jensen

**Associate professor:** Elizabeth Swedo

**Visiting assistant professor:** Ricardo Pelegrin Taboada

### Mission

Promote a community of scholars dedicated to excellence in teaching, research, professional and community service. This community connects students with the past through a global and comparative perspective and provides them with the tools for critical thinking and analysis that are the foundation of the liberal arts education.

### Learning Outcomes

1. Critically analyze, synthesize and evaluate primary and secondary historical sources.
2. Engage multiple historical methodologies and multiple sources to produce well-researched written work.
3. Explain historical developments across multiple cultures and regions.

### Core Courses

Choose at least one course from four of the five categories below and three additional electives. A minimum of 16 credits must be upper division.

- Africa/Latin America
- Comparative/Methods
- East and West Asia
- Europe/Russia
- North American Studies

The History minor should be planned with the help of a History Department adviser. HST 201, HST 202 and HST 203 are designated as North American Studies; HST 104, HST 105 and HST 106 are designated as Comparative/Methods.

**Total Credits: 28**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Human Biology Minor

#### Introduction to Cells

### Choose One

- BI 102 General Biology: The Foundations of Life **Credits: 4**
- BI 211 Principles of Biology: Cells and Genetics **Credits: 4**

### Foundational Human Anatomy and Physiology Courses

- BI 134 Introductory Human Anatomy and Physiology **Credits: 4**
  - and BI 135 Introductory Human Anatomy and Physiology **Credits: 4**
- or
- BI 234 Human Anatomy and Physiology **Credits: 4**
  - and BI 235 Human Anatomy and Physiology **Credits: 4**

### Required Upper Division Biology Courses

- BI 370 Humans and the Environment **Credits: 4**
- BI 441 Human Heredity **Credits: 4**

Elective Credits: 6-8

- Choose two upper-division electives with two different course prefixes from the list below

Biology Elective

- BI 461 Conservation Biology **Credits: 4**

Health Electives

- HE 325 Nutrition **Credits: 4**
- HE 346 Infectious Disease and Injury Prevention **Credits: 4**
- HE 348 Chronic Disease Prevention and Control **Credits: 4**
- HE 366 Alcohol, Tobacco and Other Drugs **Credits: 4**
- HE 367 Human Sexuality **Credits: 4**
- HE 485 Bioethics and Public Health **Credits: 4**

Psychology Electives

- PSY 300/400-level electives **Credits: 4**

Gerontology Electives

- GERO 320 Introduction to Aging **Credits: 4**

## Academic Programs

- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- GERO 370 Aging and Mental Health **Credits: 4**
- GERO 430 Palliative Care and Chronic Illness **Credits: 4**
- GERO 455 Social Ties and Aging **Credits: 4**
- GERO 480 Alzheimer's Disease and Other Dementias Management **Credits: 4**

Geography Electives

Dance Elective

- D 390 Kinesiology for Dance **Credits: 3**

Anthropology or Criminal Justice Electives

- ANTH 311 Human Evolution **Credits: 4**
- ANTH 328 Forensic Osteology **Credits: 4**  
or CJ 328 Forensic Osteology **Credits: 4**
- ANTH 395 Medical Anthropology **Credits: 4**
- ANTH 455 Evolution of the Human Diet **Credits: 4**

## History Electives

- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**
- HST 489 Environmental History **Credits: 4**

## Exercise Science Electives

- EXS 301 Basic Exercise Science **Credits: 4**
- EXS 371 Biomechanics **Credits: 4**
- EXS 453 Pathophysiology and Exercise **Credits: 4**
- EXS 455 Physical Activity & Aging **Credits: 4**
- EXS 488 Exercise Motivation and Adherence **Credits: 4**

**Total Credits: 26-28**

**Note:**

Students are required to maintain a C average in courses that are used to satisfy Human Biology minor degree requirements.

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Humanities Minor

### Mission

Humanities majors and minors explore that unique human creation, language--not only for communication but also in culture, literary art and philosophical and religious thought.

### Learning Outcomes

1. Creatively integrate and apply perspectives from multiple Humanities disciplines to understand language, culture, literary art, and/or religious and philosophical thought.
2. Critically analyze ideas and language in several Humanities disciplines.
3. Effectively communicate concepts studied in Humanities disciplines in writing and/or speech, adapting to meet the needs of multiple audiences.

### Core Courses

Choose upper-division courses from at least two of the following five categories; maximum six credits of internship overall.

- Communication Studies (COM)
- English Studies (ENG, LING, LIT, WR)
- Modern Languages (FR, GL, ML, SPAN)
- Philosophy and Religious Studies (PHL, R)
- Humanities (HUM)

**Total Credits: 15**

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Information Systems Minor

**Professors:** Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse

**Associate professors:** Thaddeus Shannon

### Mission

The Information Systems degree bridges the study of business and information systems and is less theoretical than the computer science major. An academic focus is placed on the

## Academic Programs

practical application of technology in support of business operation, management and decision making. Graduates receive a solid foundation in enterprise computing. Enterprise computing encompasses various types of enterprise software required to support an organization's operations and goals. We are committed to preparing graduates to become productive employees.

## Learning Outcomes

1. Design and implement information system solutions to meet organizational needs.
2. Identify opportunities and implement systems using information technology to improve organizational efficiency and productivity.
3. Manage ongoing information system operations.

## Core Courses

16 upper division credits in IS. Minor should be planned with the help of an adviser.

**Total Credits: 16**

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## International Studies Minor

## Core Courses

**Credits: 12**

- From the International Studies, B.A. core

**Upper Division Elective Credits: 15**

- From the International Studies, B.A. Regional and Topical content areas.

**Total Credits: 27**

## Note:

The major and minor may include additional courses (subject to pre-approval of the adviser) that focus on internationally related topics, and/or substantially and explicitly address international issues.

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any classes that will be used in the program.

## Jazz Studies Minor

**Professors:** Dirk Freymuth, Ike Nail, Kevin Walczyk  
**Associate professor:** James Reddan

## Mission

The Music Department offers comprehensive programs and services to students and the surrounding community, including professional and liberal arts degrees in music and an active schedule of performances. The department supports large and small ensembles in vocal and instrumental music and up-to-date facilities for electronic music production and recording. Course offerings lead to degrees with concentrations in composition, instrumental performance, vocal performance, jazz and popular music and pre-teaching.

## Learning Outcomes

1. Demonstrate artistic proficiency for music careers such as performance, composition, writing, production, research and teaching.
2. Possess an awareness of the role of music arts in society.
3. Produce scholarly creative projects, solve professional problems independently and demonstrate a well-developed intellectual/ aesthetic focus.

## Core Courses

- MUS 103 Jazz History **Credits: 3**
- MUS 220 Improvisation **Credits: 2**

## Ensembles

- MUEN 161 Western Oregon Voices **Credits: 1**
- MUEN 162 Jazz Orchestra **Credits: 1**
- MUEN 163 Latin Jazz **Credits: 1**
- MUEN 361 Western Oregon Voices **Credits: 1**
- MUEN 362 Jazz Orchestra **Credits: 1**
- MUEN 363 Latin Jazz **Credits: 1**

**Approved Musicology Courses Choose One**

## Academic Programs

- MUS 267 Music in America: 1800-1945 **Credits: 3**
- MUS 268 Music in America: 1945-1967 **Credits: 3**
- MUS 269 Music in America: 1967-Present **Credits: 3**

### Approved Upper Division Elective Credits: 13

- MUEN 361 Western Oregon Voices **Credits: 1**
- MUEN 362 Jazz Orchestra **Credits: 1**
- MUEN 363 Latin Jazz **Credits: 1**
- MUP 305 Music Performance - American Vernacular Studies **Credits: 2-4**  
*Emphasis will be in Jazz Improvisation Studies*
- MUS 322 Jazz Methods **Credits: 3**
- MUS 345 Careers in Music **Credits: 3**
- MUS 380 Recording Session Preparation for Performing Musicians **Credits: 3**
- MUS 381 Introduction to Audio Production **Credits: 3**
- MUS 382 Digital Music Production **Credits: 3**
- MUS 383 Advanced Music Production **Credits: 3**
- MUS 414 Jazz Theory **Credits: 3**
- MUS 415 Jazz Arranging I **Credits: 3**
- MUS 416 Jazz Arranging II **Credits: 3**

**Total Credits: 27**

## Juvenile Justice Minor

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel  
**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl  
**Coordinator:** Vivian Aseye Djokotoe

## Mission

Provide students with a high-quality liberal arts education in the interdisciplinary field of criminal justice. Maintain a network of local, state, federal and academic institutions through outreach and research. Criminal Justice majors are prepared to engage in civic endeavors and to assume field positions in criminal justice and social service agencies or enter graduate programs.

## Learning Outcomes

1. Explain and analyze the role of each component of the criminal justice field and how they relate to each other.
2. Analyze and articulate the multitude of issues, theories, policies, practices and current challenges related to the ethical administration of justice in a free

society.

3. Apply basic theories and practices in real world contexts.

## Core Courses

- CJ 213 Introduction to Criminal Justice **Credits: 4 \***
- CJ 214 The Juvenile Justice System **Credits: 4 \***
- CJ 411 Families and Youth Crime **Credits: 4**
- CJ 451 Youth, Crime and Society **Credits: 4**

## Choose Two

- CJ 344 Comparative Juvenile Justice Systems **Credits: 4**
- CJ 461 Youth Immigration and Crime **Credits: 4**
- CJ 463 Topics on Juvenile Issues **Credits: 4**

## Elective Credits: 4

- CJ 311 Community-Oriented Crime Prevention **Credits: 4**
- CJ 345 Justice Systems Across Cultures **Credits: 4**
- CJ 403 Field Study Credits: 1-4 Credits: 4
- CJ 444 Restorative Justice **Credits: 4**
- CJ 449 Youth Gangs in American Society **Credits: 4**
- CJ 455 Correctional Casework and Counseling **Credits: 4**
- PSY 482 Adolescence **Credits: 4**  
or SOC 354 Sociology of Deviant Behavior **Credits: 4**
- SOC 409 Practicum: Latino/a Ed Mentor **Credits: 1-16 Credits: 4**

## Total Credits: 28

### Note:

\* Program prerequisites

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Latin American Studies Minor

**Professors:** Maureen Dolan  
**Associate professor:** Jaime Marroquin



# Academic Programs

## Mission

Provides an interdisciplinary approach to Latin American history, society, culture, environment and language. The program encourages students to view Latin America within the ongoing processes of globalization, immigration and transnationalism. Students are encouraged to combine coursework on Latin America with study abroad opportunities that include Mexico, Argentina, Ecuador and Chile offered in cooperation with the NCSA and OUS consortium.

## Learning Outcomes

1. Apply perspectives from two or more disciplines to understanding Latin America.
2. Analyze trends in immigration and globalization.
3. Drawing on direct experience in a Latin American community, explain the interactions between culture, history and society in that locale.

## Core Courses

- HST 453 Pre-Columbian and Colonial Latin America **Credits: 4**
- SOC 450 Latin American Society **Credits: 4**

## Choose One

- HST 454 History of the Caribbean **Credits: 4**
- HST 455 Modern Latin America **Credits: 4**

## Choose One

- GEOG 371 Mexico and Central America **Credits: 4**

## Elective Credits: 12

*Choose courses from at least two departments*

- ANTH 332 Latin America **Credits: 4**
- EC 317 Development Economics **Credits: 4**
- GEOG 370 Human Migration **Credits: 4**
- GEOG 371 Mexico and Central America **Credits: 4**
- HST 407 Seminar **Credits: 4**
- HST 454 History of the Caribbean **Credits: 4**
- HST 455 Modern Latin America **Credits: 4**
- HST 456 Mexico Since Independence **Credits: 4**
- HST 457 The Cuban Revolution **Credits: 4**
- HST 458 History of Inter-American Relations **Credits: 4**

- PS 463 Government and Politics of Developing Nations **Credits: 4**
- SOC 350 Food and Hunger **Credits: 4**
- SOC 400 Globalization and Development **Credits: 4**
- SOC 407 Seminar: Special Topics in Sociology **Credits: 4**
- SOC 427 Revolutionary Social Movements **Credits: 3**
- SOC 440 Women and Development **Credits: 4**
- SPAN 339 Colonial Latino Literature and Culture **Credits: 4**
- SPAN 340 Mexican Literature and Culture **Credits: 4**
- SPAN 360 Introduction to Hispanic Literatures **Credits: 4**
- SPAN 371 Contemporary Latino Literature and Culture **Credits: 4**
- SPAN 443 Topics in Latin American Literature **Credits: 4**
- SPAN 445 Hispanic Women Writers **Credits: 4**
- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4**
- SPAN 491 Studies in Latino Literature **Credits: 4**

## Total Credits: 28

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any classes that will be used in the program.

## Latino/Chicano Studies Minor

**Professors:** Maureen Dolan

**Associate professor:** Jamie Marroquin

## Mission

To provide students with a broad knowledge base and the intellectual tools to understand the central questions, applications and languages relevant to this field of inquiry. Courses focus on comparative topic issues, discipline specific approaches and practicum/experiential learning opportunities.

## Learning Outcomes:

1. Explain the cultural dynamics of Mexican and Hispanic origin people in the U.S.
2. Integrate the lenses of history, social sciences and language studies to analyze topics and issues involving the Latino and Chicano communities.
3. Apply academic skills in Oregon's Latino and Latin American communities.

# Academic Programs

## Core Courses

Select four courses, at least one in social science and one in humanities. In the case of the humanities courses, we recommend that you choose one language and one culture/literature course:

- ED 301 Introduction to Chicano/a Studies **Credits: 3**
- HST 454 History of the Caribbean **Credits: 4**
- HST 486 Chicano/a History **Credits: 4**
- SOC 435 Chicano/a/Latino/a Studies: Social Issues, Social Movements **Credits: 4**
- SPAN 317 Intermediate Spanish for Bilingual/Heritage Speakers I **Credits: 4**
- SPAN 318 Intermediate Spanish for Bilingual/Heritage Speakers II **Credits: 4**
- SPAN 319 Intermediate Spanish for Bilingual/Heritage Speakers III **Credits: 4**
- SPAN 328 Introduction to Chicano Literature and Culture **Credits: 4**  
or HUM 328 Introduction to Latino/Chicano Literature **Credits: 4**
- SPAN 342 The Politics of Latino Film and Art **Credits: 4**  
or HUM 342 Introduction to Chicano/Latino Life and Culture **Credits: 4**

## Electives

In consultation with an adviser, select four additional courses from courses above not already used and/or the following, with no more than two courses from any one department:

- ED 302 Multicultural Education and the American Experience **Credits: 3**
- GEOG 370 Human Migration **Credits: 4**
- GEOG 371 Mexico and Central America **Credits: 4**
- HST 490 Wests of Early America **Credits: 4**
- HST 491 Western U.S.: 20th Century Issues **Credits: 4**
- SOC 406 Special Individual Studies **Credits: 1-12** (when related to Latino/Chicano Studies)
- SOC 407 Seminar: Special Topics in Sociology **Credits: 4** (when related to Latino/Chicano Studies)
- SOC 409 Practicum: Latino/a Ed Mentor **Credits: 1-16**
- SPAN 317 Intermediate Spanish for Bilingual/Heritage Speakers I **Credits: 4**
- SPAN 318 Intermediate Spanish for Bilingual/Heritage Speakers II **Credits: 4**
- SPAN 319 Intermediate Spanish for Bilingual/Heritage Speakers III **Credits: 4**
- SPAN 340 Mexican Literature and Culture **Credits: 4**

or HUM 340 Hispanic Culture and Civilization: Mexico **Credits: 4**

- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4** (when related to Latino/Chicano Studies)
- SPAN 407 Seminar **Credits: 1-6** (when related to Latino/Chicano Studies)

## Total Credits: 28-32

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any classes that will be used in the program.

## Legal Studies Minor

**Associate professor:** Earlene Camarillo

## Mission

Prepares students for success in law school and in fields related to the law. The program serves the university by integrating law-related curriculum and promoting awareness of legal processes and issues.

## Learning Outcomes

1. Critically analyze and effectively communicate about the legal system in speech and writing.
2. Explain theoretical and practical aspects of the law, the diversity of law-related fields and their roles in society.
3. Advocate for better understanding of the legal system and issues.

## Core Courses

- BA 230 Introduction to Business Law **Credits: 3**
- PS 201 American National Government **Credits: 4**
- PS 479 American Constitutional Law **Credits: 4**
- PS 484 American Jurisprudence **Credits: 4**
- PS 485 Legal Reasoning and Writing **Credits: 4**

## Elective Credits: 4-8

Minimum 4 credits. At least one must be upper division.

- BA 211 Financial Accounting **Credits: 4**
- CJ 452 Criminal Procedure **Credits: 4**

## Academic Programs

- COM 321 Influence Through Argument **Credits: 4**
- COM 326 Freedom of Speech **Credits: 4**
- COM 327 Communication in the Legal Field **Credits: 4**
- HST 414 British History to 1300 **Credits: 4**
- HST 415 British History to the 18th Century **Credits: 4**
- PHL 103 Introduction to Logic **Credits: 4**
- PHL 350 Social and Political Philosophy **Credits: 4**
- PHL 380 Philosophy of Law **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 410 Political Science Internship **Credits: 4 or 8**
- PS 480 Administrative Law **Credits: 4**
- PS 486 International Organizations and Law **Credits: 4**
- PS 494 Human Rights **Credits: 4**

Total Credits: 23-27

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Linguistics Minor

**Professors:** Kathleen Cassity, Henry Hughes, Gavin Keulks, Marjory Lange, Katherine Schmidt, Robert Troyer  
**Associate professors:** Ann Bliss, Leigh Graziano, Lars Söderlund

### Mission

Provides personalized learning opportunities leading to advanced studies or a variety of careers including teaching, writing, editing, linguistics and literature. The various programs help students develop a broad knowledge of literature, language and writing to foster analytical and critical skills. Students encounter new ideas; appreciate aesthetic and practical language; become impassioned readers, writers and thinkers; and gain perspectives in assimilating and evaluating their new experiences.

### Core Courses

- LING 310 Introduction to Linguistics **Credits: 4**
- LING 315 Structure of English I **Credits: 4**

Elective Credits: 12

Upper-division Linguistics or English courses

Must be approved by adviser.

Total Credits: 20

### Note:

Students planning a minor in literature, linguistics or writing need to be aware of prerequisites for upper-division courses. Students with a major in one of these areas and a minor in

another need to plan with an advisor additional classes in the minor to replace courses taken in the common core. Planning with an advisor is essential.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Literature Minor

**Professors:** Kathleen Cassity, Henry Hughes, Gavin Keulks, Marjory Lange, Katherine Schmidt, Uma Shrestha, Robert Troyer  
**Associate professors:** Ann Bliss, Leigh Graziano, Lars Söderlund

### Mission

Provides personalized learning opportunities leading to advanced studies or a variety of careers including teaching, writing, editing, linguistics and literature. The various programs help students develop a broad knowledge of literature, language and writing to foster analytical and critical skills. Students encounter new ideas; appreciate aesthetic and practical language; become impassioned readers, writers and thinkers; and gain perspectives in assimilating and evaluating their new experiences.

### Core Courses

- One 200-level Literature or English course **Credits: 4**
- LIT 317 Introduction to Literary Studies I **Credits: 4**

Elective Credits: 12

Upper-division Literature or English courses.

Must be approved by adviser.

Total Credits: 20

### Note:

## Academic Programs

Students planning a minor in literature, linguistics or writing need to be aware of prerequisites for upper-division courses. Students with a major in one of these areas and a minor in another need to plan with an advisor additional classes in the minor to replace courses taken in the common core. Planning with an advisor is essential.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

Literature (LIT) course requirements may not be fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any LIT courses that will be used in the program.

## Mathematics Education Minor, Mathematics Majors

**Professors:** Cheryl Beaver, Scott Beaver, Matthew Nabity  
**Associate professors:** Ben Côté, Matthew Ciancetta, Leanne Merrill

### Mission

Teaching of mathematics and the communication of mathematical ideas. Faculty members believe that both the assimilation of mathematical knowledge and the enhancement of one's capacity for mathematical reasoning are essential outcomes of a liberal arts education.

### Learning Outcomes

1. Demonstrate the effective use of mathematical skills to solve quantitative problems from a wide array of authentic contexts.
2. Demonstrate the ability to make rigorous mathematical arguments in axiomatic and nonaxiomatic systems.
3. Demonstrate effective written communication of mathematical concepts.

### Core Courses

- MTH 211 Foundations of Elementary Mathematics I **Credits: 4**
- MTH 212 Foundations of Elementary Mathematics II **Credits: 4**
- MTH 213 Foundations of Elementary Mathematics III **Credits: 4**
- MTH 392 College Algebra for Elementary and Middle School Teachers **Credits: 3**
- MTH 393 Probability & Statistics for Elementary and Middle School Teachers **Credits: 3**

- MTH 394 Introduction to Geometry for Elementary Teachers **Credits: 3**  
or MTH 494 Geometry for Middle School Teachers **Credits: 3**
- MTH 396 Elementary Problem Solving **Credits: 3**

### Choose One

- MTH 346 Number Theory **Credits: 4**
- MTH 355 Discrete Mathematics **Credits: 4 \***  
or MTH 398 Discrete Mathematics for Elementary and Middle School Teachers **Credits: 3 \***

### Total Credits: 27-28

#### Note:

\* If MTH 355 is taken to satisfy any part of any Mathematics major requirements, then neither MTH 355 nor MTH 398 may apply toward the Mathematics Education minor

Mathematics education minors must have a grade of C- or better in courses that are used to satisfy the minor requirements.

### Satisfactory Grade Use

Up to 8 credits of Mathematics may be fulfilled with a grade of S.

## Mathematics Education Minor, Non- Mathematics Majors

**Professors:** Cheryl Beaver, Scott Beaver, Matthew Nabity  
**Associate professors:** Ben Côté, Matthew Ciancetta, Leanne Merrill

### Mission

Teaching of mathematics and the communication of mathematical ideas. Faculty members believe that both the assimilation of mathematical knowledge and the enhancement of one's capacity for mathematical reasoning are essential outcomes of a liberal arts education.

### Learning Outcomes

1. Demonstrate the effective use of mathematical skills to solve quantitative problems from a wide array of authentic contexts.

## Academic Programs

2. Demonstrate the ability to make rigorous mathematical arguments in axiomatic and nonaxiomatic systems.
3. Demonstrate effective written communication of mathematical concepts.

### Core Courses

- MTH 211 Foundations of Elementary Mathematics I **Credits: 4**
- MTH 212 Foundations of Elementary Mathematics II **Credits: 4**
- MTH 213 Foundations of Elementary Mathematics III **Credits: 4**
- MTH 396 Elementary Problem Solving **Credits: 3**
- MTH 494 Geometry for Middle School Teachers **Credits: 3**
- MTH 495 Calculus Concepts for Middle School Teachers **Credits: 3**

### Choose One

- MTH 111Z Precalculus I: Functions **Credits: 4**
- MTH 392 College Algebra for Elementary and Middle School Teachers **Credits: 3**

### Choose One

- MTH 393 Probability & Statistics for Elementary and Middle School Teachers **Credits: 3**
- MTH 398 Discrete Mathematics for Elementary and Middle School Teachers **Credits: 3**
- MTH 492 Abstract Algebra for Middle School Teachers **Credits: 3**

Total Credits: 27-28

Note:

Mathematics Education minors must have a grade of C- or better in courses that are used to satisfy the minor requirements.

### Satisfactory Grade Use

Up to 8 credits of Mathematics may be fulfilled with a grade of S.

### Mathematics Minor

**Professors:** Cheryl Beaver, Scott Beaver, Matthew Nabity  
**Associate professors:** Ben Coté, Matthew Ciancetta, Leanne Merrill

### Mission

Teaching of mathematics and the communication of mathematical ideas. Faculty members believe that both the assimilation of mathematical knowledge and the enhancement of one's capacity for mathematical reasoning are essential outcomes of a liberal arts education.

### Learning Outcomes

1. Demonstrate the effective use of mathematical skills to solve quantitative problems from a wide array of authentic contexts.
2. Demonstrate the ability to make rigorous mathematical arguments in axiomatic and nonaxiomatic systems.
3. Demonstrate effective written communication of mathematical concepts.

### Core Courses

- MTH 251 Calculus I **Credits: 4**
- MTH 252 Calculus II **Credits: 4**
- MTH 280 Introduction to Proof **Credits: 4**

### Choose One

- MTH 253 Calculus III: Sequences and Series **Credits: 4**
- MTH 254 Multivariate Calculus **Credits: 4**

Upper Division Mathematics Elective  
Credits: 12

Three courses approved by the adviser.

Total Credits: 28

Note:

Mathematics minors must have a grade of C- or better in courses that are used to satisfy the minor requirements.

### Satisfactory Grade Use

Up to 16 credits of Mathematics may be fulfilled with a grade of S.

## Academic Programs

### Medicinal Chemistry and Pharmacology Minor

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

#### Mission

Provides preparation for professional work in chemistry or forensic science; graduate work in chemistry, environmental or forensic science; or pre-professional training in the health sciences or secondary education. Coupling the program with an appropriate minor prepares students to enter related fields such as biochemistry, oceanography, pharmacy, toxicology and the atmospheric sciences. Through the study of general, organic, analytical and physical chemistry, students gain an understanding of the world around them.

#### Learning Outcomes

1. Demonstrate an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. Employ critical thinking and quantitative analytical skills to solve problems and evaluate scientific data.
3. Use and application of laboratory methods and scientific instrumentation to investigate a scientific hypothesis, conduct experiments, analyze data and interpret results.
4. Demonstrate effective written and oral communication skills including the ability to transmit complex scientific or technical information in a clear and concise manner.
5. Gather, comprehend, apply and communicate credible information on scientific and technical topics and recognize the proper use of scientific data, principles and theories to assess the quality of stated conclusions.
6. Demonstrate ethical awareness and conduct with regards to: (1) honesty in data reporting; (2) the safety of practitioners, test subjects and the local community/environment; and (3) their social responsibility to recognize the impact that our actions have on the natural and human world.

Students pursuing this minor must maintain a C average in their minor coursework.

#### Core Courses

- CH 247 Foundations of Integrative Medicine **Credits: 4**
- CH 322 Medicinal Chemistry and Pharmacology **Credits: 4**

- CH 334 Organic Chemistry **Credits: 4**
- CH 335 Organic Chemistry **Credits: 4**
- CH 336 Organic Chemistry **Credits: 4**
- CH 345 Introduction to Toxicology **Credits: 3**
- CH 450 Biochemistry I **Credits: 4**

**Total Credits: 27**

#### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

### Military Science, Army ROTC, Minor

#### Mission

To teach leadership and military skills in the classroom, lab and field environment to all students and to commission selected cadets as the future officer leadership of the U.S. Army.

#### Learning Outcomes

1. All students are prepared with the tools, training and experiences that will help them succeed in any competitive environment.
2. First- and second- year students understand basic military skills and the fundamentals of leadership which lays the groundwork toward becoming an Army leader.
3. Third- and fourth-year students understand advanced military tactics and have experience in team organization, planning and decision making which prepares them to become commissioned officers in the U.S. Army.

At least 18 of the 24 hours required in the minor must be military science courses. MS 118 Military Physical Conditioning and MS 305 American Military History cannot be used for this requirement.

#### Core Courses

- MS 118 Military Physical Conditioning **Credits: 1**  
Credits: 6
- MS 305 American Military History **Credits: 3**

**Credits: 18**

## Academic Programs

- MS 111 Military Science I: Introduction to ROTC **Credits: 1**
- MS 112 Military Science I: Land Navigation and Squad Fundamentals **Credits: 1**
- MS 113 Military Science I: Adventure Training **Credits: 1**
- MS 211 Military Science II: American Military **Credits: 2**
- MS 212 Military Science II: Fundamentals of Military Operations **Credits: 2**
- MS 213 Military Science II: Military Operations **Credits: 2**
- MS 311 Military Science III: Adaptive Team Leadership **Credits: 3**
- MS 312 Military Science III: Applied Team Leadership I **Credits: 3**
- MS 313 Military Science III: Applied Team Leadership II **Credits: 3**
- MS 314 Advanced Summer Camp: Leader Development and Assessment Course **Credits: 6**
- MS 411 Military Science IV: Adaptive Leadership **Credits: 3**
- MS 412 Military Science IV: Leadership Ethics **Credits: 3**
- MS 413 Military Science IV: Leadership in Complex World **Credits: 3**

### Choose One

- PS 423 Issues in National Policy **Credits: 4**
- PS 440 Causes of War **Credits: 4**
- PS 360 U.S. Foreign and National Security Policy **Credits: 4**

### Writing Credits: 4

Any writing course higher than WR 122Z

### Total Credits: 35

#### Note:

Students interested in obtaining an officer's commission may contact the Army ROTC department. Classes may be taught at WOU or OSU in Corvallis. Further information about Army ROTC scholarships and other aspects of the program may be obtained from Western Oregon University, Military Science Department, 345 N. Monmouth Ave., APSC 201, Monmouth OR 97361, 503-838-8353; or contact Oregon State University, Army ROTC, 208 McAlexander Fieldhouse, Corvallis OR 97331, 541-737-3511.

## Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Music Minor

**Professors:** Dirk Freymuth, Ike Nail, Kevin Walczyk  
**Associate professor:** James Reddan

## Mission

The Music Department offers comprehensive programs and services to students and the surrounding community, including professional and liberal arts degrees in music and an active schedule of performances. The department supports large and small ensembles in vocal and instrumental music and up-to-date facilities for electronic music production and recording. Course offerings lead to degrees with concentrations in composition, instrumental performance, vocal performance, jazz and popular music and pre-teaching.

## Learning Outcomes

1. Demonstrate artistic proficiency for music careers such as performance, composition, writing, production, research and teaching.
2. Possess an awareness of the role of music arts in society.
3. Produce scholarly creative projects, solve professional problems independently and demonstrate a well-developed intellectual/ aesthetic focus.

## Core Courses

- MUS 111 Music Theory I: Tonality **Credits: 3**
- MUS 112 Music Theory II: Counterpoint **Credits: 3**
- MUS 113 Music Theory III: Form & Analysis **Credits: 3**
- MUS 114 Aural Skills I **Credits: 1**
- MUS 115 Aural Skills II **Credits: 1**
- MUS 116 Aural Skills III **Credits: 1**

## Approved Upper Division Music Elective Credits: 15

Upper Division Electives include MUS 300-499, MUP 300, and MUEN 300-399.

## Total Credits: 27

## Academic Programs

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Naval Science, Naval ROTC Minor

Students interested in Naval ROTC may contact the Oregon State University Naval ROTC unit, Corvallis OR 97331.

### Organizational Leadership Minor

**Professor:** David Foster

### Mission

Provide opportunities for students to develop and enhance leadership knowledge and competencies deemed essential in hiring and initial advancement within organizations in any industry or setting. Includes instruction in organization behavior/systems, leadership/team dynamics, creative thinking, communication, conflict management, and diversity.

### Learning Outcomes

1. Demonstrate knowledge and application of principles, theories, and concepts of leadership within complex adaptive systems.
2. Demonstrate creative thinking and problem solving.
3. Demonstrate personal growth as a leader and to the ability to work effectively with people from diverse backgrounds.

Students must complete courses in at least three of the following disciplines: art; business/entrepreneurship; communication studies; philosophy; political science; psychological science; sociology; or writing.

Students must complete a minimum of 15 upper division credits.

Students must complete the minimum number of credits indicated for each section.

### Core Courses

#### Organizational Foundation

Choose One

- BA 361 Organizational Behavior **Credits: 3**
- BA 495 Organization Design **Credits: 3**
- PSY 445 Introduction to Industrial/Organizational Psychology **Credits: 4**

- PSY 447 Organizational Consulting **Credits: 4**

#### Creative Thinking

Choose One

- A 311 Creativity and Idea Generation **Credits: 4**
- BA 412 New Product Development **Credits: 3**
- ENT 381 Creativity and Entrepreneurs **Credits: 1**
  - and ENT 382 Innovation and Strategy **Credits: 1**
- PSY 449 Psychology of Creativity **Credits: 4**

#### Leading in Complex Adaptive Systems

Choose One

- BA 474 Business Leadership **Credits: 3**
- COM 323 Group Discussion and Leadership **Credits: 4**
- PSY 443 Psychology of Teamwork **Credits: 4**
- PSY 446 Psychology of Leadership **Credits: 4**

#### Written Communication

Choose One

- BA 305 Business Analysis & Report Writing **Credits: 3**
- COM 312 Public Relations Communication **Credits: 4**
- COM 450 Crisis Communication Management **Credits: 4**
- WR 300 Writing in the Workplace **Credits: 4**

#### Oral Communication

Choose One

- COM 321 Influence Through Argument **Credits: 4**
- COM 324 Business and Professional Communication **Credits: 4**
- COM 420 Communication in Organizations **Credits: 4**
- COM 422 Persuasion **Credits: 4**
- PSY 423 Interviewing and Appraisal **Credits: 4**

#### Conflict Management

- COM 340 Conflict Management **Credits: 4**

#### Leading in a Diverse World



## Academic Programs

### Choose One

- BA 284 Introduction to International Business **Credits: 3**
- BA 370 Business and Society **Credits: 3**
- BA 392 Management of Diversity **Credits: 3**
- COM 325 Intercultural Communication **Credits: 4**
- PHL 350 Social and Political Philosophy **Credits: 4**
- PS 203 International Relations **Credits: 4**
- PSY 487 Cross-Cultural Psychology **Credits: 4**
- SOC 225 Social Problems **Credits: 3**
- SOC 420 Political Sociology: Theories of the State **Credits: 3**
- SOC 437 Sociology of Race/Ethnic Relations **Credits: 4**

Total Credits: 22-28

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Physical Science Minor

**Professor:** Patricia Flatt

**Associate professor:** Feier Hou

**Assistant professor:** Mary Layne Harrell

### Core Courses

- CH 334 Organic Chemistry **Credits: 4**
- CH 335 Organic Chemistry **Credits: 4**
- CH 336 Organic Chemistry **Credits: 4**
- One upper division Physical Science course (i.e., a course with a CH, ES, or GS prefix) approved by adviser

### Choose One Sequence

- PH 201 General Physics **Credits: 4**
  - and PH 202 General Physics **Credits: 4**
  - and PH 203 General Physics **Credits: 4**or
- PH 211 General Physics with Calculus **Credits: 4**
  - and PH 212 General Physics with Calculus **Credits: 4**
  - and PH 213 General Physics with Calculus **Credits: 4**

Total Credits: 27-28

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Political Science Minor

**Professors:** Eliot Dickinson, Mary Pettenger

**Associate professor:** Earlene Camarillo

### Mission

To serve students through teaching and mentoring, serve society through research, public outreach and activities and serve the university through collegial participation in all aspects of the community.

### Learning Outcomes

1. Critically analyze political problems.
2. Understand the structure and processes of local, state, national and foreign governments.
3. Develop skills in research, writing, public outreach, advocacy and leadership.

### Core Courses

- PS 201 American National Government **Credits: 4**

### Choose Two

- PS 202 State and Local Government **Credits: 4**
- PS 203 International Relations **Credits: 4**
- PS 204 Governments of the World **Credits: 4**

### Choose Two

- PS 350 Introduction to Public Policy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**
- PS 355 Civic Literacy and Engagement **Credits: 4**
- PS 375 Scope and Methods of Political Science **Credits: 4**

### Upper Division Political Science Electives Credits: 8

Must be chosen with the advice of Political Science adviser

## Academic Programs

Total Credits: 28

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

### Psychology Minor

**Professors:** David Foster, Ethan McMahan, Lauren Roscoe, Chehalis Strapp, Tamina Toray

**Associate professors:** Jaime Cloud, Alicia Ibaraki

**Assistant professors:** Kathy Espino-Pérez, Jay Schwartz

### Mission

Create lifelong learners in psychology utilizing the scientist-practitioner model. Graduates of our program will understand the scientific foundations of the discipline and the core knowledge/concepts in the field. Graduates will also be able to apply psychology to solve human difficulties; at both personal levels with self and others and at a community level with the issues and problems that face us as a society, a nation and a world.

### Learning Outcomes

1. Demonstrate fundamental knowledge and comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles apply to behavioral problems.
2. Apply scientific reasoning and problem solving, including effective research methods to critically analyze human behavior.
3. Demonstrate knowledge of and/or apply ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity.
4. Demonstrate competence in writing and in oral and interpersonal communication skills.
5. Apply psychology-specific content and skills, effective self-reflection, project-management skills, teamwork skills, and career preparation.

### Core Courses

The Psychology minor should be planned with a psychology adviser. The Psychology minor consists of 27 hours of courses with a PSY prefix, of which at least 15 hours must be upper division. A maximum of 12 hours of lower division courses can be applied to the Psychology minor. PSY 201 and PSY 202 are required for the psychology minor. Maximum 4 credits of P/NC

coursework including PSY 399, PSY 406, PSY 409 or PSY 411 can count as electives in the Psychology minor. PSY 410 can not be counted as an elective in the Psychology minor. In addition to courses with the PSY prefix, the following gerontology courses can count as electives for the minor.

- GERO 120 Medical Terminology I **Credits: 4**
- GERO 320 Introduction to Aging **Credits: 4**
- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- GERO 370 Aging and Mental Health **Credits: 4**
- GERO 407 Seminar **Credits: 1-12**
- GERO 430 Palliative Care and Chronic Illness **Credits: 4**
- GERO 455 Social Ties and Aging **Credits: 4**
- GERO 480 Alzheimer's Disease and Other Dementias Management **Credits: 4**

Total Credits: 27

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Public Health Minor

### Mission

To provide students with an overview of the critical components of public health, including the definition of community health, metrics related to population health, the impact of health inequities and social determinants on health and health behaviors, epidemiology, health promotion and

education, and the development of skills to solve real-life public health and other social issues.

### Learning Outcomes

1. Demonstrate proficiency in the understanding of the public health and social determinants of health framework.
2. Examine population health metrics and interpret evidence-based trends and the bases of public health issues.
3. Develop and apply health promotion strategies to impact health-related behaviors at the community level.

### Core Courses

- HE 227 Community and Public Health **Credits: 4**

## Academic Programs

or HE 285 Foundations of Health Education

**Credits: 4** by instructor approval

- HE 334 Health Disparities and Social Determinants of Health **Credits: 4**
- HE 375 Epidemiology **Credits: 4**  
or HE 343 Introduction to Health Data Analysis and Visualization **Credits: 4**

### Population Health Choose Two\*

- HE 333 Diet, Food Systems and Public Health **Credits: 4**
- HE 341 Environmental Health **Credits: 4**
- HE 360 U.S. Health Care System And Health Policy **Credits: 4**
- HE 399 Special Studies **Credits: 1-15** Credits: 4 \*\*
- HE 411 Health Communication **Credits: 4**
- HE 418 Women's Health **Credits: 4**
- HE 428 Poverty and Public Health **Credits: 4**
- HE 457 Migrant Health **Credits: 4**
- HE 465 Global Health **Credits: 4**
- HE 485 Bioethics and Public Health **Credits: 4**

### Health Behavior and Health Promotion Choose One\*

- HE 325 Nutrition **Credits: 4**
- HE 329 Health and Human Services **Credits: 4**
- HE 330 Theory of Health Promotion **Credits: 4**
- HE 346 Infectious Disease and Injury Prevention **Credits: 4**
- HE 348 Chronic Disease Prevention and Control **Credits: 4**
- HE 366 Alcohol, Tobacco and Other Drugs **Credits: 4**
- HE 367 Human Sexuality **Credits: 4**
- HE 399 Special Studies **Credits: 1-15** Credits: 4 \*\*
- HE 415 Child and Adolescent Health **Credits: 4**
- HE 420 Healthy Relationships **Credits: 4**

### Additional Elective Choose One\*

- Select one additional elective course from any of the two blocks above

Total Credits: 28

### Note

HE 285 , HE 330 , HE 343 , and HE 375 have prerequisites.

See course descriptions for specific prerequisites.

\*Additional courses might be considered by advisor approval.

\*\* Special Topics: Nutrition through the Life Span or Reproductive Health are recommended

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Public History Minor

**Professors:** David Doellinger, Patricia Goldsworthy-Bishop, Kimberly Jensen

**Associate Professor:** Elizabeth Swedo

## Mission

Public History prepares students to interpret, preserve, and collect history for diverse audiences. This interdisciplinary minor provides students the opportunity to work directly with local historical organizations to gain experience working in Public History.

## Learning Outcomes

1. Critically analyze, synthesize, and evaluate primary and secondary historical sources.
2. Engage multiple historical methodologies and multiple sources to produce well-researched written work.
3. Explain historical developments to diverse audiences.

## Core Courses

- ANTH 360 Museum Studies **Credits: 4**
- HST 301 Introduction to Historical Research **Credits: 4**
- HST 403 Practicum **Credits: 1-6** Credits: 2
- HST 410 Introduction to Public History **Credits: 4**

### Elective Credits: 11-14

#### Business

- BA 310 Principles of Marketing **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- BA 362 Business Ethics **Credits: 3**

#### Computer Science

- CS 195 Fundamentals of Web Design **Credits: 4**

## Academic Programs

### Creative Arts

- A 204 Art History: Prehistoric through Late Antiquity **Credits: 4**
- A 205 Art History: Middle Ages through Renaissance **Credits: 4**
- A 206 Art History: Baroque through Contemporary **Credits: 4**
- A 304 History of Modern Art, 1789-1914 **Credits: 4**
- A 305 History of Modern Art, 1914-1965 **Credits: 4**
- A 306 History of Modern Art, 1965-Present **Credits: 4**
- MUS 101 Pop Music in America **Credits: 3**
- MUS 102 Rock Music: A Social History **Credits: 3**
- MUS 103 Jazz History **Credits: 3**
- MUS 267 Music in America: 1800-1945 **Credits: 3**
- MUS 268 Music in America: 1945-1967 **Credits: 3**
- MUS 269 Music in America: 1967-Present **Credits: 3**
- MUS 310 Women in Music **Credits: 3**
- TA 381 Theatre History I **Credits: 4**
- TA 382 Theatre History II **Credits: 4**
- TA 383 Theatre History III **Credits: 4**
- TA 386 International Theatre **Credits: 3**

### Education

- ED 200 Foundations of Education **Credits: 3**

### Natural Science

- ES 340 Geospatial Techniques **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**

### Social Science

- HST 406 Archival Science **Credits: 4**
- HST 408 Oral History **Credits: 4**
- PS 350 Introduction to Public Policy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**
- SOC 225 Social Problems **Credits: 4**
- Other course with consent of adviser **Credits: 3-4**

**Total Credits: 25-28**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Public Policy and Administration Minor

**Associate Professor:** Earlene Camarillo

### Mission

Prepares students for employment in government, non-profit organizations and in businesses connected to the public sector. Faculty teaching, service and research promote efficient, effective and just public service and policies.

### Learning Outcomes

1. Analyze issues in public administration and policy.
2. Analyze the administrative context, politics and practical implications of public choices.
3. Demonstrate skills in internal and external organizational communication, public outreach and advocacy.

### Core Courses

- PS 201 American National Government **Credits: 4**
- PS 202 State and Local Government **Credits: 4**
- PS 350 Introduction to Public Policy **Credits: 4**
- PS 351 Introduction to Public Administration **Credits: 4**
- PS 466 Governmental Budgeting **Credits: 4**

### Choose One

- PS 410 Political Science Internship **Credits: 4 or 8**  
Credits: 4
- PS 454 Public Personnel Administration **Credits: 4**
- PS 480 Administrative Law **Credits: 4**

**Total Credits: 24**

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Social Science Minor

### Core Courses

A minor in Social Science may be designed with the help of a

## Academic Programs

division adviser. Courses in the minor must be from the following disciplines: Anthropology, Criminal Justice, History, Political Science, Sociology or Sustainability. At least 15 credit hours must be upper division.

Total Credits: 27

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Sociology Minor, Community Services Emphasis

### Core Courses

- SOC 305 Social Problems, Social Justice, Social Policy **Credits: 4**
- SOC 310 Service-Learning and Community Praxis **Credits: 4**

### Choose Four

- SOC 315 Social Stratification and Inequality **Credits: 4**
- SOC 338 Sociology of the Family **Credits: 4**
- SOC 340 Community Organizing **Credits: 4**
- SOC 354 Sociology of Deviant Behavior **Credits: 4**
- SOC 360 Sociology of Gender **Credits: 4**
- SOC 409 Practicum: Latino/a Ed Mentor **Credits: 1-16 Credits: 4**
- SOC 434 African American Studies: Social Issues, Social Movements **Credits: 3**
- SOC 435 Chicano/a/Latino/a Studies: Social Issues, Social Movements **Credits: 4**
- SOC 436 Native American/Asian American Studies: Social Issues, Social Movements **Credits: 3**
- SOC 437 Sociology of Race/Ethnic Relations **Credits: 4**

Total Credits: 22-24

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Sociology Minor, Theory and Research Emphasis

### Core Courses

- SOC 204 Introduction to Sociology **Credits: 4**
- SOC 325 Participant Observation and Qualitative Research Methods **Credits: 4**  
or SOC 328 Introduction to Social Data Analysis **Credits: 4**
- SOC 370 Sociological Theory **Credits: 4**

Elective Credits: 10-12

Total Credits: 22-24

### Note:

Must be selected in consultation with a sociology adviser. Minimum 16 upper division credits for the minor.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Spanish Minor

Coursework consists of a total of 20 credits at the 300- or 400-level. Students may opt for the third year language (SPAN 301, SPAN 302, SPAN 303 sequence or SPAN 317, SPAN 318, SPAN 319 sequence for heritage speakers) and two more courses at the 300- or 400-level. If they have tested out of the language sequences, they may take five courses at the 300- or 400-level.

Students must maintain a 2.0 GPA in their minor courses.

Total Credits: 20

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Sport Management Minor

**Professor:** Zenon Zygmunt

## Academic Programs

### Mission

The Sport Management minor prepares students for business opportunities in the professional and collegiate sports industries, in recreational and community sports programs and for advanced degree programs.

### Learning Outcomes

1. Analyze the structure and performance of the amateur and professional sports industries.
2. Clearly communicate in writing and oral presentations.
3. Use business and economic analysis, including computer applications, to make decisions in the operation of sports-related businesses and organizations.

### Core Courses

- BA 243 Business Statistics **Credits: 4**  
or STAT 243Z Elementary Statistics I **Credits: 4**
- BA 310 Principles of Marketing **Credits: 3**
- BA 361 Organizational Behavior **Credits: 3**
- EC 315 Econometric Analysis and Report Writing **Credits: 4**
- EC 333 Economics of Professional Sports **Credits: 4**  
or EC 334 Economics of Collegiate Sports **Credits: 4**

### Elective Credits: 8

- BA 409 Internship/Practicum **Credits: 1-12** Credits: 1-3  
or EXS 409 Practicum **Credits: 1-12** Credits: 1-3
- BA 412 New Product Development **Credits: 3**
- BA 414 Sports Marketing **Credits: 3**
- EXS 375 Athletics: Coaching and Administration **Credits: 3**
- EXS 376 Introduction to Sport Management **Credits: 3**
- EXS 410 Sport Ethics **Credits: 4**
- EXS 488 Exercise Motivation and Adherence **Credits: 4**
- PSY 415 Psychology of Sports **Credits: 4**

**Total Credits: 26**

### Note:

Other courses may be considered for inclusion with prior approval from adviser. Substitution form required.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Sustainability Minor

### Mission

Provide knowledge and mentoring that will transform students into leaders who apply systems thinking in order to envision and implement solutions towards sustainable development.

### Learning Outcomes

1. Describe social, environmental, and economic elements of sustainable human communities
2. Analyze the systemic nature of interrelationships among social, environmental, and economic elements of a thriving human community.
3. Apply knowledge through actions that promote a sustainable and balanced system between humans and the environment.

### Core Courses

- BI 101 General Biology: The Diversity of Life **Credits: 4**
- SUST 101 Sustainable World **Credits: 4**
- SUST 201 Nature & Society **Credits: 4**
- SUST 221 Data Analysis **Credits: 4**

### Choose Three

- SUST 330 Sustainability and Social Justice **Credits: 4**
- SUST 340 Sustainability & Capitalism **Credits: 4**
- SUST 370 Energy, Environment and Society **Credits: 4**
- SUST 380 Environmental Conservation **Credits: 4**

**Total Credits: 28**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Academic Programs

### The Arts Minor

#### Mission

Provides individualized instruction with opportunities for professional involvement, service to the community, public exhibition and performance.

#### Learning Outcomes

1. Learn high standards of quality, achieved through individual attention to student practice and progress, professional example and expectations of student excellence.
2. Have experience with three of the four discipline areas in the Creative Arts Division and become familiar with professional practices.
3. Demonstrate a broad understanding of the arts and their place in culture.

The Arts program allows students to study contemporary practices through a solid foundation of traditional training in three of the four arts areas offered in the division - art, music, theatre and dance. Creative work, analytical thinking and global awareness are integrated into performance and production.

#### Core Courses

All minors must be planned with and approved by a Creative Arts Division adviser.

**Total Credits: 27**

#### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

### Theatre Arts Minor

#### Core Courses

- TA 110 Introduction to the Theatre Arts **Credits: 3**
- TA 220 Production Participation **Credits: 0** Terms: 3
- TA 251 Elements of Acting **Credits: 3**

#### Choose One

- TA 244 Technical Theatre: Scenecraft **Credits: 3**

- TA 245 Technical Theatre: Lighting & Sound **Credits: 3**
- TA 246 Technical Theatre: Costuming **Credits: 3**

#### Choose One

- TA 381 Theatre History I **Credits: 4**
- TA 382 Theatre History II **Credits: 4**
- TA 383 Theatre History III **Credits: 4**
- TA 386 International Theatre **Credits: 3**

**Upper Division Elective Credits: 15**

**Total Credits: 27-28**

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Writing Minor

**Professors:** Kathleen Cassity, Henry Hughes, Gavin Keulks, Marjory Lange, Katherine Schmidt, Uma Shrestha, Robert Troyer

**Associate professors:** Ann Bliss, Leigh Graziano, Lars Söderlund

#### Mission

Provides personalized learning opportunities leading to advanced studies or a variety of careers including teaching, writing, editing, linguistics and literature. The various programs help students develop a broad knowledge of literature, language and writing to foster analytical and critical skills. Students encounter new ideas; appreciate aesthetic and practical language; become impassioned readers, writers and thinkers; and gain perspectives in assimilating and evaluating their new experiences.

#### Core Courses

- WR 222 Writing for the Sciences **Credits: 4**  
or WR 230 Introduction to Writing Studies **Credits: 4**

**Elective Credits: 15-16**

Upper-division Writing or English courses

May include TA 330 Script Writing or TA 320 Dramaturgy.

**Total Credits: 19-20**

## Academic Programs

### Note:

Students planning a minor in literature, linguistics or writing need to be aware of prerequisites for upper-division courses. Students with a major in one of these areas and a minor in another need to plan with an advisor additional classes in the minor to replace courses taken in the common core. Planning with an advisor is essential.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Undergraduate Certification

### Aging and Older Adulthood Certificate

**Professor:** Margaret Manoogian

**Associate professor:** Melissa Cannon

**Dual appointed professor:** Tamina Toray

### Mission

With the increase in older adult populations in Oregon and across the globe, trained professionals in a broad array of career fields will need to understand the physical, cognitive, and social changes that occur as we age. Our Gerontology: Aging and Older Adulthood Certificate will help students learn more about aging in context; develop important competencies related to organizations and businesses that serve older adults; and enhance their career and graduate school outcomes.

### Learning Outcomes

1. Explain the cognitive, physical, and social changes associated with older adulthood
2. Identify how an understanding of aging complements career paths

### Core Courses

- GERO 320 Introduction to Aging **Credits: 4**
- GERO 360 Cognitive and Physical Changes in Aging **Credits: 4**
- GERO 455 Social Ties and Aging **Credits: 4**

### Choose One

- GERO 340 Intersectionality: Inequalities and Vulnerabilities in Older Adulthood **Credits: 4**
- GERO 410 Practicum in Gerontology I **Credits: 4**

- GERO 415 Aging in Our Physical and Social Environments **Credits: 4**
- GERO 420 Global Aging **Credits: 4**
- GERO 425 Reminiscence, Life Review, and Aging **Credits: 4**
- GERO 430 Palliative Care and Chronic Illness **Credits: 4**
- GERO 460 Housing and Long-Term Care for Older Adults **Credits: 4**
- GERO 480 Alzheimer's Disease and Other Dementias Management **Credits: 4**
- GERO 484 Death, Dying and Grief **Credits: 4**

Total Credits: 16

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## American Sign Language Studies: Culture Certificate

### Mission

The ASL Studies: Culture certificate will equip students and community members in developing cultural competencies and in-depth knowledge of the diversity in the Deaf communities as it pertains to their field of study and careers.

### Learning Outcomes

1. Develop knowledge to enhance students' perspectives in Deaf cultural studies.
2. Practice sensitivity and understanding toward diverse Deaf communities.

### Core Courses

- ASL 315 American Deaf Culture **Credits: 3**
- ASL 320 Deaf Women Studies **Credits: 3**
- ASL 340 Introduction to the Deaf Latino Community **Credits: 3**
- ASL 429 American Deaf History **Credits: 3**
- ASL 465 Black Deaf Culture **Credits: 3**

### Elective Credits: 3

- ASL 327 Deaf Cinema History **Credits: 3**



## Academic Programs

- ASL 440 Mental Health in the Deaf Community  
**Credits: 3**
- Other ASL elective courses may be selected in consultation with an ASL major advisor

Total Credits: 18

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## American Sign Language Studies: Linguistics Certificate

### Mission

The American Sign Language Studies: Linguistics certificate is designed to prepare students and community members to broaden their perspectives on the study of ASL as a language and to incorporate linguistic knowledge as it pertains to their field of study and careers.

### Learning Outcomes

1. Develop an in-depth understanding of ASL linguistics concepts in application to language learning.
2. Portray the ability to recognize and analyze ASL linguistics features.

### Core Courses

- ASL 353 Linguistics of ASL **Credits: 4**
- ASL 413 American Sign Language  
Cherology/Phonology **Credits: 3**
- ASL 414 American Sign Language Morphology  
**Credits: 3**
- ASL 415 American Sign Language Syntax and  
Semantics **Credits: 3**
- ASL 456 First and Second Language Acquisition:  
Deaf and Hard of Hearing **Credits: 3**
- LING 310 Introduction to Linguistics **Credits: 4**

Elective Credits: 3

- ASL 420 Sociolinguistics of Deaf Communities  
**Credits: 3**
- ASL 460 Black American Sign Language **Credits: 3**

- Other ASL elective courses may be selected in consultation with an ASL major advisor

Total Credits: 22

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Bilingual and Biliteracy in Spanish Achievement Certificate

### Mission

A Bilingual and Biliteracy in Spanish Certificate of Achievement certificate provides students with professional knowledge of language, literature and culture of Spanish, the second most spoken language in the US, which is also a booming language in Oregon. This gives a significant added value to candidates looking for jobs in a wide array of careers, as there is high demand for bilingual professionals in education, business, law, and medical fields.

### Learning Outcomes

1. Produce and understand oral and written communication at an Advanced High level, as defined by the ACTFL.
2. Interact respectfully and appropriately with individuals and companies from bicultural backgrounds.
3. Compare and contrast cultural elements from Spanish speaking countries with their own culture, both within the Latino culture in the United States and American culture in general.

Prerequisite: SPAN 319 or equivalent

### Core Courses

- SPAN 328 Introduction to Chicano Literature and  
Culture **Credits: 4**
- SPAN 379 Introduction to Spanish Linguistics  
**Credits: 4**
- SPAN 483 Spanish in the United States **Credits: 4**

### Choose One

## Academic Programs

- SPAN 342 The Politics of Latino Film and Art **Credits: 4**
- SPAN 401 Advanced Spanish Proficiency **Credits: 4**
- SPAN 443 Topics in Latin American Literature **Credits: 4**
- SPAN 446 Migration and Borders in the Hispanic World **Credits: 4**

Total Credits: 16

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Bilingual/ESOL (English for Speakers of Other Languages) Certificate

### Mission

Prepares teachers and other education professionals to develop students' competencies in bilingualism, biliteracy and multiculturalism. Builds expertise for effective instruction and services for children and families in bilingual settings.

### Learning Outcomes

1. Prepare teachers and other education professionals who have advanced language proficiency necessary to deliver instruction bilingually, in English and a modern language of emphasis.
2. Prepare teachers and other education professionals who understand how first and second languages are acquired and developed, and apply research-based teaching and assessment practices that address the needs of emerging bilingual students in a variety of school settings.
3. Prepare teachers and other education professionals who foster a climate that is inclusive of all diversity, understand the influence of culture on students' learning process and academic achievement, are knowledgeable about policies related to the education of emerging bilingual students, and collaborate with colleagues, administrators and families to meet learners' needs.

### Core Courses

- ED 481 Introduction to ESOL and Bilingual Education **Credits: 3**
- ED 482 Foundations of ESOL/Bilingual Education **Credits: 3**

- ED 483 Culture, Community and the ESOL/Bilingual Classroom **Credits: 3**
- ED 484 First and Second Language Acquisition and Educational Linguistics **Credits: 3**
- ED 491 Curriculum Models, Instructional Approaches and Assessment Strategies for Emergent Bilinguals **Credits: 3**
- ED 492 Classroom Strategies for English Language Development in ESOL and Bilingual Settings **Credits: 3**
- ED 407 Seminar **Credits: 1-15** Credits: 3 \*  
or ED 409 Practicum **Credits: 1-12** Credits: 3 \*

### Modern Language Credits: 8

- A minimum of 8 credits of upper division Modern Language courses (e.g., 300-level and above coursework in Spanish, German, French, ASL)

Total Credits: 29

### Note:

- All students must meet with an ESOL advisor to complete a program plan.
- Students seeking the ESOL Endorsement (added to an Oregon educator license) must obtain a passing score on the required ESOL test.
- Students seeking the Bilingual Specialization (added to an Oregon educator license) must obtain a passing score on the required language test.
- \*Students seeking an ESOL Endorsement take ED 409 Practicum. Non-licensure students take ED 407 Seminar.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.

Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Computational Linguistics Certificate

**Professors:** Breeann Flesch, Becka Morgan, Robert Troyer  
**Associate professor:** Thaddeus Shannon

### Mission

The Certificate in Computational Linguistics (CCL) is a unique interdisciplinary program that combines coursework in Computer Science, Linguistics and Mathematics to prepare

## Academic Programs

students for the rapidly increasing number of careers that require knowledge of both technology and human language.

### Learning Outcomes

1. Students who complete the CCL will be able to apply their knowledge of language structure and function to programming, information systems, and data management.
2. Likewise, those who are planning on careers that are more aligned with the Humanities and Social Sciences will learn valuable skills in coding, analytics, and data management.

### Core Courses

- CS 161 Computer Science I **Credits: 4**
- CS 162 Computer Science II **Credits: 4**
- IS 240 Information Management I **Credits: 4**
- LING 310 Introduction to Linguistics **Credits: 4**
- LING 315 Structure of English I **Credits: 4**
- LING 350 Linguistics in the Digital Age **Credits: 4**
- STAT 243Z Elementary Statistics I **Credits: 4**

**Total Credits: 28**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Early Childhood Education Certificate

### Mission

Principled upon educational equity, cultural sensitivity, professionalism and an intellectually vital community. Committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of young children and their families.

### Learning Outcomes

1. The program prepared caring, competent professionals who:
2. Demonstrate evidence of appropriate content knowledge, skills, and dispositions necessary for attaining high achievement for all young children.
3. Create a climate where diversity is valued.
4. Successfully affect the learning and development of young children and their families.

## Core Courses

- ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature **Credits: 3**
- ED 280 Infant and Toddler Development **Credits: 3**
- ED 343 Purposes of Play in Learning **Credits: 3**
- ED 443 Supporting Language, Literacy and Culture **Credits: 3**
- ED 448 Early Childhood Curriculum (birth- 4th grade) **Credits: 3**  
or ED 471 Collaborative Consultation in Inclusive Early Childhood **Credits: 3**
- ED 450 Methods for Classroom Management **Credits: 3**
- ED 464 Families & Community Involvement in Early Childhood Education **Credits: 3**
- ED 485 Early Childhood Education: Leadership and Administration **Credits: 3**

## For students seeking the TSPC Early Childhood Specialization

- ED 422 Early Childhood Studies Clinical Experience I **Credits: 3**
- ED 423 Early Childhood Studies Clinical Experience II **Credits: 3-6**
- ED 424 Early Childhood Studies Clinical Experience III **Credits: 3-6**

**Total Credits: 24-39**

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Elementary French Certificate

### Mission

Prepares students to enter the work force with an elementary level of fluency in the language listed on the certificate so they can interact in this language with individuals and companies during the course of their work, both in writing and verbally.

### Learning Outcomes

1. Students will be able to engage in real-life interactions

## Academic Programs

with speakers of the target language in the target language.

2. Students will be able to demonstrate respect and empathy in unfamiliar situations with diverse customs and ways of life.
3. Students will be able to interact respectfully and appropriately with individuals and companies from different cultural backgrounds.

### Core Courses

- FR 101 First Year French I **Credits: 4**
- FR 102 First Year French II **Credits: 4**
- FR 103 First Year French III **Credits: 4**

**Total Credits: 12**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Elementary German Certificate

### Mission

The Elementary Certificate in German provides students with professional knowledge of the German language and culture. German is the most widely-spoken mother tongue in the European Union, and 1,200 German-owned companies operate in the United States. 750+ major U.S. businesses have branches in Germany, the highest ranking European country for Oregon exports. The certificate gives a significant added value to candidates looking for jobs in a wide array of careers, as there is high demand for bilingual professionals in education, science, business, law, foreign service, and medical fields.

### Learning Outcomes

1. Students will be able to engage in real-life interactions with speakers of the target language in the target language.
2. Students will be able to demonstrate respect and empathy in unfamiliar situations with diverse customs and ways of life.
3. Students will be able to interact respectfully and appropriately with individuals and companies from different cultural backgrounds.

### Core Courses

- GL 101 First Year German **Credits: 4**

- GL 102 First Year German **Credits: 4**
- GL 103 First Year German **Credits: 4**

**Total Credits: 12**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Elementary Spanish Certificate

### Mission

Prepare students to enter the work force with an elementary level of fluency so that they can interact in this language with individuals and companies during the course of their work, both in writing and verbally.

### Learning Outcomes

1. Have successful real-life interactions with speakers of the target language at the elementary level.
2. Interact respectfully with individuals and organizations from different cultural backgrounds.
3. Understand the value of a bilingual society.

### Core Courses

- SPAN 101 First Year Spanish I **Credits: 4**
- SPAN 102 First Year Spanish II **Credits: 4**
- SPAN 103 First Year Spanish III **Credits: 4**

**Total Credits: 12**

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Geographic Information Science Certificate

**Professors:** Jeffrey Myers, Stephen Taylor, Jeffrey Templeton  
**Assistant professor:** David Szpakowski

### Mission

The Geographic Information Science (GIS) Certificate is part of the Earth and Environmental Science program. The program mission is to provide a liberal arts education in

## Academic Programs

geoscience with an emphasis on scientific methods, problem solving and interdisciplinary science education. A key objective of the certificate is to prepare post-baccalaureate students or professionals seeking continuing education for careers in GIS.

## Learning Outcomes

1. Demonstrate knowledge of Geographic Information Science and geospatial technology.
2. Demonstrate foundational skills using python scripting for custom tool building in a GIS.
3. Apply geospatial technology to solve real-world problems and communicate results.
4. Conduct scientific investigations as part of post-baccalaureate professional development and workforce training.

## Core Courses

- CS 133 Introduction to Python Programming **Credits: 4**
- ES 341 Geographic Information Systems I **Credits: 4**
- ES 342 Geographic Information Systems II **Credits: 4**
- ES 495 GIS Certificate Capstone **Credits: 2**

## Choose One

- BI 343 Analysis of Biological Data **Credits: 4**
- DATA 432 Introduction to Data Analytics **Credits: 4**
- ES 343 Remote Sensing **Credits: 4**

**Total Credits: 18**

### Note:

The Geographic Information Science certificate is designed for post-baccalaureate students or professionals seeking continuing education. A minor option is also available for undergraduate students working towards a baccalaureate degree. Students completing the GIS Certificate are not eligible for the GIS Minor, nor are they eligible for the Information Systems and Data Analytics GIS Concentrations.

## Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Healthcare Administration Certificate

**Professors:** David Foster, Shaun Hansen, Margaret Manoogian

**Associate professors:** Earlene Camarillo, Bojan Ilievski  
**Assistant professor:** Dan Dowhower  
**Instructor:** Paul Disney

## Mission

The undergraduate certificate in Healthcare Administration, which is an interdisciplinary program founded in public and business administration, public health, organizational leadership, and gerontology. The program is carefully designed to provide students with skills and knowledge necessary to succeed in a variety of positions in the healthcare sector. Students will develop an understanding of the theoretical and practical applications of issues such as organizational policy, management, leadership, communications, finance, and public health.

## Learning Outcomes

1. Demonstrate knowledge of the healthcare system and the environment in which healthcare managers and providers function including policy, laws, regulations, standards and ethics and the impacts of social determinants of health and aging to support organizational communication, public outreach and advocacy.
2. Analyze issues in organizational administration and policy, including leadership, management, and financial principles and applying these to real world cases.
3. Analyze real-world cases in healthcare organizations to identify strengths, weaknesses, and strategies for improvement.

## Core Courses

- BA 315 Financial Management **Credits: 3**
- GERO 320 Introduction to Aging **Credits: 4**
- GERO 465 Introduction to Healthcare Administration **Credits: 4**
- HE 334 Health Disparities and Social Determinants of Health **Credits: 4**
- PS 433 Health Care Politics and Policy **Credits: 4**

## Choose One

- BA 361 Organizational Behavior **Credits: 3**
- PSY 446 Psychology of Leadership **Credits: 4**

**Elective Credits: 4-8**

- ANTH 395 Medical Anthropology **Credits: 4**

## Academic Programs

- COM 351 Foundations of Health Communication **Credits: 4**
- EC 201 Introduction to Microeconomics **Credits: 4**
- EC 202 Introduction to Macroeconomics **Credits: 4**
- GERO 460 Housing and Long-Term Care for Older Adults **Credits: 4**
- HE 227 Community and Public Health **Credits: 4**
- HE 457 Migrant Health **Credits: 4**
- HST 484 Health, Medicine and Gender in Historical Perspective **Credits: 4**
- PHL 252 Medical Ethics **Credits: 4**
- PS 430 The Aging Society **Credits: 4**
- PS 432 Global Health Policy **Credits: 4**
- SPAN 321 Spanish for Health Care Professionals **Credits: 4**
- Internship/Practicum Experience: BA 406, BA 409, COM 409, HE 409, GERO 410, GERO 411, PS 406, PS 410, PSY 409

Total Credits: 26-31

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Infant Toddler Certificate

### Mission

To prepare skilled and reflective early childhood practitioners who can effectively respond to the unique learning needs of diverse infants and toddlers and their families. Grounded in the principles of educational equity, cultural sensitivity, professionalism, and an intellectually vital learning community, we are committed to facilitating the learning and development of our early childhood practitioners who, in turn, can successfully affect the learning and development of our youngest children (prenatal-3years) and their families.

### Learning Outcomes:

The Infant Toddler Certificate prepares caring, highly-qualified professionals who:

1. Demonstrate evidence of appropriate developmental understanding, skill, and dispositions necessary for fostering healthy growth and development for all very young children (prenatal-3years).
2. Create an equitable and inclusive climate where diversity and inclusion is valued.
3. Successfully affect the learning and development of very young children and their families.

## Core Courses

- ED 280 Infant and Toddler Development **Credits: 3**
- ED 383 Introduction and Overview to Infant Mental Health **Credits: 3**
- ED 385 Infant and Toddler Observation and Assessment **Credits: 3**
- ED 419 Poverty, Young Children, and their Families **Credits: 3**
- ED 464 Families & Community Involvement in Early Childhood Education **Credits: 3**
- ED 470 Home Visiting in Early Childhood **Credits: 3**
- ED 472 Trauma Informed Practices in Early Childhood **Credits: 3**

Total Credits: 21

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S. Do not select Satisfactory/No Credit grading for any courses that will be used in the program.

## Information Technology Certificate

**Professors:** Breeann Flesch, Jie Liu, Becka Morgan, Scot Morse

**Associate professors:** Thaddeus Shannon

### Mission

Computing competency is needed in almost all careers in the 21st century. Someone with computing competency has a foundational set of skills and experience to begin crafting their own solutions to problems they encounter. This could be by programming, scripting, or integrating disparate data sources through industry standard tools and languages. This Information Technology Certificate will provide students with the foundations of computing competency.

### Learning Outcomes

1. Choose proper information management approaches based on solution requirements and experienced understanding of fundamental data structures and storage techniques.
2. Uses quantitative information in connection with the argument or purpose of the work, presents it in an effective format, and explicates it with consistently high quality.
3. Demonstrate expertise in algorithmic thinking and software development practices in developing code.

## Academic Programs

### Core Courses

- CS 133 Introduction to Python Programming **Credits: 4**
- CS 195 Fundamentals of Web Design **Credits: 4**
- DATA 101 Foundations of Data Analytics **Credits: 4**
- IS 240 Information Management I **Credits: 4**

Total Credits: 16

Satisfactory Grade Use

### Interdisciplinary Social Justice / Service Learning with Latino Community-Bilingual Certificate

#### Mission

Create and provide a unique learning experience to empower students with the knowledge, skills, empathy, and understanding of cross-cultural environments. This process will enable students to develop culturally competence practices to make positive changes in the Latino Community,

#### Learning Outcomes

1. A developing sense of self as a learner, building on prior experiences to respond to new and challenging contexts.
2. Adapts and applies skills, abilities, theories, or methodologies gained in one situation to new situations.
3. Developing 'personal and social responsibility.
4. Development of Cultural competence and global worldview.

### Core Courses

- SOC 409 Practicum: Latino/a Ed Mentor **Credits: 1-16 Credits: 4**
- SPAN 309 Service-Learning in Spanish **Credits: 1-4 Credits: 4**

### Choose One

- SOC 407 Seminar: Special Topics in Sociology **Credits: 4**
- SOC 435 Chicano/a/Latino/a Studies: Social Issues, Social Movements **Credits: 4**

- SOC 450 Latin American Society **Credits: 4**
- SPAN 328 Introduction to Chicano Literature and Culture **Credits: 4**
- SPAN 360 Introduction to Hispanic Literatures **Credits: 4**
- SPAN 371 Contemporary Latino Literature and Culture **Credits: 4**
- SPAN 491 Studies in Latino Literature **Credits: 4**

Total Credits: 11-12

Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Intermediate French Certificate

#### Mission

Prepares students to enter the work force with an intermediate level of fluency in the language listed on the certificate so they can interact in this language with individuals and companies during the course of their work, both in writing and verbally.

#### Learning Outcomes

1. Students will be able to engage in real-life interactions with speakers of the target language in the target language.
2. Students will be able to demonstrate respect and empathy in unfamiliar situations with diverse customs and ways of life.
3. Students will be able to interact respectfully and appropriately with individuals and companies from different cultural backgrounds.

### Core Courses

- FR 201 Second Year French I **Credits: 4**
- FR 202 Second Year French II **Credits: 4**
- FR 203 Second Year French III **Credits: 4**

Total Credits: 12

Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Academic Programs

### Intermediate German Certificate

#### Mission

The Intermediate Certificate in German provides students with professional knowledge of the German language and culture. German is the most widely-spoken mother tongue in the European Union, and 1,200 German-owned companies operate in the United States. 750+ major U.S. businesses have branches in Germany, the highest ranking European country for Oregon exports. The certificate gives a significant added value to candidates looking for jobs in a wide array of careers, as there is high demand for bilingual professionals in education, science, business, law, foreign service, and medical fields.

#### Learning Outcomes

1. Students will be able to engage in real-life interactions with speakers of the target language in the target language.
2. Students will be able to demonstrate respect and empathy in unfamiliar situations with diverse customs and ways of life.
3. Students will be able to interact respectfully and appropriately with individuals and companies from different cultural backgrounds.

#### Core Courses

- GL 201 Second Year German **Credits: 4**
- GL 202 Second Year German **Credits: 4**
- GL 203 Second Year German **Credits: 4**

**Total Credits: 12**

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Intermediate Spanish Certificate

#### Mission

Prepare students to enter the work force with an intermediate level of fluency in the language listed on the certificate so they can interact in this language with individuals and companies during the course of their work, both in writing and verbally.

#### Learning Outcomes

1. Engage in real-life interactions with speakers of the target language.
2. Interact respectfully and appropriately with individuals and companies from different cultural backgrounds.
3. Demonstrate respect and empathy in unfamiliar situations with diverse customs and ways of life.

#### Core Courses

- SPAN 201 Second Year Spanish I **Credits: 4**
- SPAN 202 Second Year Spanish II **Credits: 4**
- SPAN 203 Second Year Spanish III **Credits: 4**

**Total Credits: 12**

#### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

### Professional Writing Certificate

#### Mission

Prepares students to compose and edit documents in multiple media at a professional level, skills which are necessary for success in a range of careers in the modern workplace. Familiarizes students with the theories and practices of professional writing, it also requires students to use writing to engage with real-world challenges in the WOU community and beyond.

#### Learning Outcomes

1. Prepare teachers and other education professionals who have advanced language proficiency necessary to deliver instruction bilingually, in English and a modern language of emphasis.
2. Prepare teachers and other education professionals who understand how first and second languages are acquired and developed, and apply research-based teaching and assessment practices that address the needs of emerging bilingual students in a variety of school settings.
3. Prepare teachers and other education professionals who foster a climate that is inclusive of all diversity, understand the influence of culture on students' learning process and academic achievement, are knowledgeable about policies related to the education of emerging bilingual students, and collaborate with colleagues, administrators and families to meet learners' needs.



## Academic Programs

### Core Courses

- WR 300 Writing in the Workplace **Credits: 4**
- WR 301 Integrating Writing and Design **Credits: 4**  
or WR 401 Writing Across Media **Credits: 4**
- WR 402 Professional Editing **Credits: 4**
- WR 409 Internship **Credits: 1-8** Credits: 4  
or WR 304 Grant and Proposal Writing **Credits: 4**

Total Credits: 16

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Public and Nonprofit Management Certificate

**Professor:** Mary Pettenger

**Associate professor:** Earlene Camarillo

### Mission

The certificate in Public and Nonprofit Management is designed to provide undergraduate students with skills and knowledge necessary to succeed in a variety of careers in organizations in the public, nonprofit, and civil service sectors. Students will develop an understanding of the theoretical and practical applications of issues such as management, fundraising, communications, and the role of public policy within these important organizational sectors.

### Learning Outcomes

1. Demonstrate knowledge of principles, theories and concepts of public and nonprofit organizations.
2. Demonstrate skills such as problem solving, decision-making, organizational ethics, and budgeting for public and nonprofit management.
3. Analyze real-world cases in public, nonprofit, and international civil service organizations to identify strengths, weaknesses, and strategies for improvement.

### Core Courses

- PS 351 Introduction to Public Administration **Credits: 4**
- PS 455 Public and Nonprofit Management **Credits: 4**
- PS 466 Governmental Budgeting **Credits: 4**

- PS 480 Administrative Law **Credits: 4**
- SSC 405 Capstone **Credits: 1-4** Credits: 1

### Choose One Elective

- PS 410 Political Science Internship **Credits: 4 or 8**  
Credits: 4
- PS 456 Advocacy and Public Policy **Credits: 4**
- PS 486 International Organizations and Law **Credits: 4**
- WR 304 Grant and Proposal Writing **Credits: 4**

Total Credits: 21

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Spanish-English Interpreting and Translation Certificate

### Mission

A Certificate in Spanish-English Interpreting and Translation offers students who already possess advanced bilingual knowledge the opportunity to professionalize this knowledge and transform it into a career by itself. This advanced certificate provides students with concrete employability opportunities, as there is significant need for qualified Spanish-English interpreters and translators in health, legal, business and social advancement institutions in the US.

### Learning Outcomes

1. Professional speech and written abilities in Spanish, at a level suitable for professional interpreting and translating work.
2. Interact respectfully and appropriately with individuals and companies from different cultural backgrounds.
3. Ability to help business, government and social policies become as bilingual as needed or desired.

Prerequisite: SPAN 319 or equivalent.

### Core Courses

- SPAN 385 Introduction to Translation and Interpreting **Credits: 4**
- SPAN 401 Advanced Spanish Proficiency **Credits: 4**
- SPAN 486 Spanish Translation Practicum **Credits: 4**

## Academic Programs

Total Credits: 12

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Teaching English as a Foreign Language Certificate

**Professor:** Robert Troyer

**Assistant Professor:** Seyed Shahrokni

### Mission

The TEFL Certificate program prepares students to enter the professional job market of teaching English abroad or online. The program is designed for students who are seeking a first experience Teaching English as a Foreign Language by providing a strong foundation in English Linguistics and training in foreign language acquisition and teaching methods. While complementary programs at WOU prepare ESOL teachers for K-12 classrooms in the US, the TEFL Certificate focuses on teaching English primarily to young adult and adult learners in cross-cultural and international contexts.

### Core Courses

- LING 310 Introduction to Linguistics **Credits: 4**
- LING 315 Structure of English I **Credits: 4**
- LING 410 Theories of Foreign Language Acquisition for Adult/Young Adult Learners **Credits: 4**
- LING 415 Strategies in Foreign Language Teaching for Adult/Young Adult Learners **Credits: 4**
- LING 416 TEFL Certificate Practicum **Credits: 2**
- LING 492 Pedagogical Grammar in TEFL for Adult/Young Adult Learners **Credits: 4**

### Choose One

- LING 312 Language and Society **Credits: 4**
- LING 350 Linguistics in the Digital Age **Credits: 4**
- LING 370 Meaning and Context **Credits: 4**

Total Credits: 26

### Note:

The TEFL Certificate is for undergraduate or post-baccalaureate students. Undergraduate students may also choose to obtain a Linguistics Minor (20 credits) along with the certificate. Students entering the program with a baccalaureate

may obtain the certificate by completing the required courses (26 credits) and fulfilling the residency requirements of a second bachelor's degree.

### Satisfactory Grade Use

Program requirements may be fulfilled with a grade of S.

## Undergraduate Endorsement

## English for Speakers of Other Languages (ESOL) Endorsement

**Coordinator:** Jessica Dougherty

### Mission

Prepares teachers to ensure that students succeed in all aspects of their schooling: academics, socialization, linguistic development, acculturation and physical and emotional health.

### Learning Outcomes

1. Prepare teachers who understand how first and second languages are acquired and developed and who apply research-based teaching and assessment practices that address the needs of English language learners in a variety of school settings;
2. Prepare teachers who foster a classroom climate that is inclusive of all diversity and who understand the influence of culture on students' learning process and academic achievement; and
3. Prepare teachers who are knowledgeable about policies related to the education of English language learners and who collaborate with colleagues, administrators and families to meet their learners' needs.

As the demographics of the state change and the language minority population increases, teachers need to be prepared to educate culturally and linguistically diverse (CLD) students. Teachers with bilingual/ESOL education credentials are in high demand and are usually first to be hired by school districts with high CLD populations.

This program prepares teachers to work effectively with CLD students in mainstream, sheltered bilingual and English Language Development (ELD) classrooms.

### Core Courses

Successful completion of ED 481, ED 482 and ED 483 strongly recommended for all other courses

## Academic Programs

- ED 481 Introduction to ESOL and Bilingual Education  
**Credits: 3**
- ED 482 Foundations of ESOL/Bilingual Education  
**Credits: 3**
- ED 483 Culture, Community and the ESOL/Bilingual Classroom **Credits: 3**
- ED 484 First and Second Language Acquisition and Educational Linguistics **Credits: 3**
- ED 491 Curriculum Models, Instructional Approaches and Assessment Strategies for Emergent Bilinguals  
**Credits: 3 \***
- ED 492 Classroom Strategies for English Language Development in ESOL and Bilingual Settings **Credits: 3 \***
- ED 409 Practicum **Credits: 1-12** Credits: 3  
Prerequisites for ED 409 are:

Obtain a passing score on the required ESOL test.

Complete at least 15 credits of coursework toward the ESOL endorsement. Students must apply to the director of clinical practice and licensure one term preceding the practicum.

**Total Credits: 21**

**Note:**

\*ED 491 and ED 492 are not open to Pre-Ed majors.

For ESOL endorsement, no second language is required.

### Satisfactory Grade Use

Program requirements are not fulfilled with a grade of S.  
Do not select Satisfactory/No Credit grading for any courses

that will be used in the program.

## Undergraduate Pre-Professional Studies

### Health Sciences Pre-Professional Studies

#### Mission

Prepares students for entry into professional programs in many of the health sciences. Students will develop skills, gain knowledge and complete pre-requisite coursework for admission into a professional program of their choosing. Students may also use these courses toward the requirements for a Bachelor of Arts or a Bachelor of Science degree. All pre-professional health science students are assigned to specific advisers.

## Learning Outcomes

1. Develop deductive reasoning, analytical and problem-solving skills related to their professional goals.
2. Learn broad concepts from many different disciplines for entry into their profession of choice.
3. Acquire a liberal arts education while pursuing a professional education.

WOU currently offers health sciences pre-professional studies in the following areas:

## One- to Two-Year Programs

Pre-nursing  
Pre-dental hygiene

Admission to nursing and pre-dental hygiene programs is highly competitive. In general, admission depends on grades, a written personal statement, professional experience and the completion of specific coursework and/or proficiency exams. Although specific admissions requirements vary somewhat from program to program, all minimally require biology (including a year of human anatomy and physiology), psychology, sociology, writing and math. More information about preparatory material is available from the following program advisers:

Pre-nursing: Student Success and Advising  
[wou.edu/advising/pre-nursing-advising/](http://wou.edu/advising/pre-nursing-advising/), 503-838-8428

Pre-dental hygiene: Sarah Boomer  
[wou.edu/academics/pre-professional/](http://wou.edu/academics/pre-professional/), 503-838-8209

## Three- to Four-Year Programs

Pre-dentistry  
Pre-medicine (allopathic, osteopathic, chiropractic, podiatric, optometric)  
Pre-clinical lab science  
Pre-occupational therapy  
Pre-pharmacy  
Pre-physician assistant  
Pre-physical therapy  
Pre-veterinary medicine

Admission to the above programs is highly competitive. In general, admission depends on grades, a written personal statement, professional experience, the completion of specific coursework and/or proficiency exams (e.g., DAT, MCAT) and interpersonal/interviewing skills.

Although specific admissions requirements vary somewhat from program to program, all require extensive coursework in biology, chemistry and physics. Consequently, a biology degree with a pre-professional concentration or a chemistry degree with a medicinal chemistry and pharmacology concentration facilitates well the admission requirements for most programs.

## Academic Programs

Additional coursework is required to complete a bachelor's degree at WOU, all of which are required or strongly recommended for admission to a majority of these programs. More information about preparatory materials visit our website at [wou.edu/academics/pre-professional/](http://wou.edu/academics/pre-professional/).

## Nursing Program

### Mission

The Oregon Health & Science University (OHSU) School of Nursing mission is leadership in nursing and health care through thoughtful innovation in healing, teaching and discovery. The OHSU nursing program prepares students with the knowledge, skills and clinical judgement to respond to dynamic and changing health care environments.

The OHSU School of Nursing is a statewide system of higher education whose faculty, staff and students extend to five campuses with major educational access sites throughout Oregon. We offer undergraduate, master and doctoral level nursing programs statewide. Admission for all programs is considered competitive and most programs require pre-requisite coursework prior to admission.

For more information about the available nursing programs that are offered statewide or those that are offered on the Monmouth campus, contact the OHSU Office of Admissions at 503-494-7725 or at [proginfo@ohsu.edu](mailto:proginfo@ohsu.edu). For course descriptions and degree requirements, see the OHSU School of Nursing course catalog at <https://www.ohsu.edu/xd/education/schools/school-of-nursing/students/catalog-and-handbook.cfm>.

### Learning Outcomes

OHSU School of Nursing participates in the Oregon Consortium for Nursing Education (OCNE) and the OCNE competencies are based on a view of nursing as a theory-guided, evidenced-based discipline.

The competencies recognize that effective nursing requires a person with particular values, attitudes, habits and skills. Accordingly there are two categories of competencies: professional competencies and nursing care competencies. Professional competencies define the values, attitudes and practices that a competent nurse embodies and may share with members of other professions.

Nursing care competencies define relationship capabilities that nurses need to work with clients and colleagues, the knowledge and skills of practicing the discipline and competencies that encompass understand of the broader health care system. In all cases, the client is defined as the recipient of care, considered an active participant in care and includes the individual, family or community.

Nursing care competencies recognize that a competent nurse provides safe care across the lifespan directed toward the goals of helping the client promote health, recover from acute illness and/or manage a chronic illness and support a peaceful and comfortable death.

A complete list of these competencies can be located within the OHSU School of Nursing catalog/student handbook at <https://www.ohsu.edu/xd/education/schools/school-of-nursing/students/catalog-and-handbook.cfm>.

### Accreditation

The OHSU School of Nursing undergraduate and master's programs are accredited by the Commission on Collegiate Nursing Education; the accrediting body of the American Association of Colleges of Nursing. The OHSU School of Nursing is accredited through the year 2023.

## Pre-Professional Studies, Pre-Law

### Pre-Law: Four-Year Preparation

The minimum requirement for admission to a recognized law school is a bachelor's degree. Most law schools value intellectual maturity and a broad educational background, such as is provided by majors in the social sciences, natural sciences or humanities, rather than narrow specialization. Well-developed research, analysis, oral and written communication skills are considered desirable.

It is suggested that students take the legal studies minor with additional coursework in the following areas: accounting, economics, history, political science, philosophy, psychology, sociology, communication studies and writing. For more specific information on an appropriate course of study, see the pre-law adviser, who is assigned by the Social Science Division.

Admission to law schools is highly competitive. Applicants are usually expected to achieve an undergraduate GPA of at least 3.00 and perform well on the Law School Admission Test (LSAT), although strength in one of these areas may compensate for weakness in the other. The LSAT should be taken early in the senior year. More information about preparatory materials is available from the pre-law adviser. Contact the Social Science Division for more information.

## Graduate Major

### Criminal Justice, M.A.

**Professors:** Vivian Aseye Djokotoe, Misty Weitzel  
**Associate professors:** Miyuki Arimoto, Omar Melchor Ayala, Mari Sakiyama, Taryn VanderPyl  
**Coordinator:** Omar Melchor Ayala

# Academic Programs

## Mission

Equips students with academic skills necessary to successfully and competently apply advanced knowledge in social science research, methodology and theory as the academic foundation in engaging managerial and other advanced professional roles in the practical field of criminal justice. The program is also designed to enhance students' professional writing and analytic inquiry skills and prepares individuals to teach at the community college level as well as provide preparation to those interested in furthering their education at the doctoral level.

## Learning Outcomes

1. Analyze the organizational structures and management challenges that define the field of criminal justice.
2. Use methods of social science research to investigate problems and questions in the field of criminal justice.
3. Apply theory-to-practice within the criminal justice environment.

## Course Structure

The 45 credit program is comprised of 21-credits of Professional Core coursework, 12-credits of Capstone coursework, and 12-credits of Elective coursework.

## Capstone Sequence

As a final evaluation of their studies, all students will complete a 12-credit capstone research project comprised of three sequential courses: CJ 623, CJ 624, and CJ 625. Their final evaluation can be either a thesis or professional paper and will be completed during their CJ 625 course in their last term of studies. Students must apply for graduation with the Graduate Programs office prior to their last term in order to have this exit evaluation recorded and to receive their degree.

## Core Courses

- CJ 608 Workshop **Credits: 1-15** Credits: 1
- CJ 612 Research in Criminal Justice **Credits: 4**
- CJ 618 Theory of Criminal Law **Credits: 4**
- CJ 619 Ethics and Leadership in Criminal Justice Organizations **Credits: 4**
- CJ 653 Advanced Corrections **Credits: 4**
- CJ 660 Advanced Criminology **Credits: 4**

## Capstone Sequence

- CJ 623 Criminal Justice Research: Explore and

Initiate **Credits: 4**

- CJ 624 Criminal Justice Research: Construct and Compile **Credits: 4**
- CJ 625 Criminal Justice Research: Compose and Complete **Credits: 4**

## Choose Three: 12 Credits

Students may choose any three 500 or 600 level CJ or JS courses as electives

## Exit Evaluation Requirement

**Students must complete one of the following exit evaluations in order to receive their degree:**

- Thesis
- Professional Project

## Total Credits: 45

## Curriculum and Instruction, M.S.Ed.

**Coordinator:** Dr. Joshua Schulze

## Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

## Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Show commitment to and develop professional education leadership attributes.

The Curriculum and Instruction, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

Professional Education Core (15)  
Curriculum and Instruction Major (18)  
Electives (6)

## Academic Programs

Exit requirements (culminating experience) (6)

### Professional Education Core

All MEd students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

### Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

### Core Courses

- ED 648 Advanced Curriculum Design **Credits: 3**
- ED 649 Assessment, Data Literacy, and Learning **Credits: 3**
- ED 677 Effective Instructional Practices **Credits: 3**

### Choose One Focus Area Credits: 9

- Dual Language/Bilingual education
- Early Childhood education
- Education Technology
- ESOL Education
- Math Education
- Social Emotional Learning
- Social Studies Education
- STEM Education

### Elective Credits: 6

Curriculum and Instruction MEd students have 6 credits of electives. Electives are selected in consultation with the Curriculum and Instruction coordinator.

### Culminating Experiences Exit Requirement

#### Option 1: Professional Project

- ED 617 Professional Inquiry in Education **Credits: 3**
  - and ED 635 Action Research **Credits: 3**
- or
- ED 604 Professional Project Planning **Credits: 3**  
and ED 605 Professional Project Implementation **Credits: 3**

#### Option 2: Thesis

- ED 603 Thesis, Professional Project or Field Study **Credits: 3-9** Credits: 6

### Total Credits: 45

## Early Childhood Education, M.S.Ed.

**Coordinator:** Cindy Ryan

### Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

### Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Show commitment to and develop professional education leadership attributes.

The Early Childhood Education, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

Professional Education Core (15)  
Early Childhood Education Major (18)  
Electives (6)  
Exit requirements (culminating experience) (6)

### Professional Education Core

All MEd students complete this core

- Computer Science Education **Credits: 3**

## Academic Programs

- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

### Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

## Core Courses

- Credits: 18
- See early Childhood Education Coordinator

## Elective Credits: 6

## Culminating Experiences Exit Requirement

### Option 1: Professional Project

- ED 604 Professional Project Planning **Credits: 3**
  - and ED 605 Professional Project Implementation **Credits: 3**
- or
- ED 617 Professional Inquiry in Education **Credits: 3**
  - and ED 635 Action Research **Credits: 3**

### Option 2: Thesis

Six hours of thesis

- ED 603 Thesis, Professional Project or Field Study **Credits: 3-9** Credits: 6

## Total Credits: 45

## Educational Technology, M.S.Ed.

**Coordinator:** Greg Zobel

## Mission

Provide a solid foundation in computers and educational technology for students who desire to specialize in computer

applications in education and training; who seek educational technology positions in government, industry or public agencies; or who wish to subsequently pursue doctoral studies in fields related to educational technology.

## Learning Outcomes

1. Recognize, evaluate and apply technological tools (software and hardware) to support teaching and learning in diverse environments.
2. Develop critical thinking tools to evaluate information and media accuracy, relevance and propriety.
3. Build capacity to adapt to and work with, diverse media types across multiple platforms to create and support authentic learning relevant to the learners and their learning contexts.

The program leads to a Master of Science in Education degree with a specialization in educational technology. Any student interested in this program must meet with a faculty adviser before any coursework is taken.

The Master of Science in Education: Educational Technology degree has its own unique core coursework, including a nine-hour professional core and a nine-hour educational technology core.

## Core Courses

### Professional Core

- ED 633 Educational Research **Credits: 3**

### Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

### Choose One

- CSE 632 Social and Philosophical Issues in Educational Technology **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**

## Instructional Technology Core

- CSE 626 Instructional Design **Credits: 3**
- CSE 680 Communication Theories **Credits: 3**

## Academic Programs

- CSE 686 Emerging Information Technology **Credits: 3**

### Elective Credits: 21

21 credits Computer Science Education (CSE) courses selected in consultation with adviser.

### Exit Evaluation Requirement Credits: 6

**Students must complete one of the following exit evaluations in order to receive their degree:**

#### Professional Project

- CSE 603 Professional Project **Credits: 3-9**

#### Portfolio

- CSE 604 Portfolio **Credits: 3**
- CSE 619 Big Thinkers in Educational Technology **Credits: 3**

### Total Credits: 45

## Elementary Mathematics Specialist (K-8), M.S.Ed.

**Coordinator:** Rachel Harrington

## Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

## Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Show commitment to and develop professional education leadership attributes.

The Elementary Mathematics Specialist (K-8), Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

- Professional Education Core (15)
- Elementary Mathematics Specialist (K-8) Major (21)
- Electives (3)
- Exit requirements (culminating experience) (6)

## Professional Education Core

All MSED students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

## Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

## Core Courses

All programs must be approved by an Elementary Mathematics Coordinator. All courses must be successfully completed before practicum.

All students will complete the following for the major of their of their Elementary Mathematics Specialist (K-8) MSED degree.

- ED 637 Inquiry Into Pedagogy **Credits: 3**
- ED 673 Mathematics Leadership in K-8 Schools **Credits: 3**
- MTH 611 Counting and Whole Number Operations: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 612 Fractions and Proportions: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 613 Geometry and Measurement: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 614 Statistics and Probability: K-8 Learning and Teacher Practices **Credits: 3**

## Choose One



## Academic Programs

- MTH 615 Patterns and Algebraic Thinking: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 616 Algebra and Functions: K-8 Learning and Teacher Practices **Credits: 3**

Elective Credits: 3

### Culminating Experiences Exit Requirement: Professional Project

- ED 607 Seminar Credits: **1-8 Credits: 3**
- ED 609 Practicum Credits: **1-15 Credits: 3**

Total Credits: 45

## English for Speakers of Other Languages (ESOL), M.S.Ed.

**Coordinator:** Jessica Dougherty

### Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

### Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Demonstrate commitment to and develop professional education leadership attributes.

The English for Speakers of Other Languages or Bilingual/ESOL, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

Professional Education Core (15)

English for Speakers of Other Languages or Bilingual/ESOL Major (18)

Electives (6)

Exit requirements (culminating experience) (6)

## Professional Education Core

All MEd students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

### Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

## Core Courses

- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- ED 682 Sociopolitical Foundations of ESOL/Bilingual Education **Credits: 3**
- ED 683 Fostering Cultural and Community Connections in the ESOL/Bilingual Classroom **Credits: 3**
- ED 684 Language Acquisition and Educational Linguistics in the ESOL/Bilingual Classroom **Credits: 3**
- ED 691 Curriculum, Instruction and Assessment Strategies for Emergent Bilinguals **Credits: 3**
- ED 692 English Language Development for ESOL and Bilingual Settings **Credits: 3**

Elective Credits: 6

### Culminating Experiences Exit Requirement

#### Option 1: Professional Project

- ED 604 Professional Project Planning **Credits: 3**
  - and ED 605 Professional Project Implementation **Credits: 3**
- or
- ED 617 Professional Inquiry in Education **Credits: 3**
  - and ED 635 Action Research **Credits: 3**

#### Option 2: Thesis

## Academic Programs

Six hours of thesis

- ED 603 Thesis, Professional Project or Field Study  
**Credits: 3-9 Credits: 6**

### Option 3: Exams plus electives

Comprehensive exams.

Students choosing to complete comprehensive exams as their capstone exit requirement choose elective credits to complete their 45-hour program. Students work with their advisers to determine appropriate elective courses.

### Total Credits: 45

#### Note:

Successful completion of ED 681, ED 682 and ED 683 strongly recommended for all other courses.

Prerequisites for ED 609 are:

1. Obtain a passing score on the ESOL test.
2. Complete at least 15 credits of coursework toward the ESOL endorsement. Students must apply to the Director of Field Services one term preceding the practicum.

For the ESOL endorsement, no second language is required.

If any of the above courses are waived, students can take one or more of the following ESOL electives to fulfill the required number of credits in the content core:

- ED 630 Culturally and Linguistically Diverse Students in the Schools **Credits: 3**
- ED 631 Classroom Strategies for Biliteracy Development **Credits: 3**
- ED 694 Assessment of English Language Learners **Credits: 3**
- Students in the Masters of Science in Education program in the ESOL content area who are not seeking an endorsement, should meet with an adviser to select 18 credits of ESOL coursework from the options listed above.

## Interdisciplinary Professional Studies, M.S.Ed.

**Coordinator:** Adele Schepige

### Mission

Empower educators to strengthen their knowledge, skills, and

dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

## Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Show commitment to and develop professional education leadership attributes.

The Interdisciplinary Professional Studies, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

Professional Education Core (15)  
Interdisciplinary Professional Studies Major (18)  
Electives (6)  
Exit requirements (culminating experience) (6)

## Professional Education Core

All MEd students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

## Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

## Core Courses

- Twenty four credit hours of course work will be selected in two to four areas.
- Students choosing this pathway must plan their program with the MEd Interdisciplinary coordinator.

## Academic Programs

### Culminating Experiences Exit Requirement

#### Option 1: Professional Project

- ED 604 Professional Project Planning **Credits: 3**
  - and ED 605 Professional Project Implementation **Credits: 3**
- or
- ED 617 Professional Inquiry in Education **Credits: 3**
  - and ED 635 Action Research **Credits: 3**

#### Option 2: Thesis

Six hours of thesis

- ED 603 Thesis, Professional Project or Field Study **Credits: 3-9** Credits: 6

Total Credits: 45

### Interpreting Studies, M.A.

**Professor:** Elisa Maroney, Amanda Smith

#### Mission

Provides interpreters and interpreter educators who use English and another language, spoken or signed, scholarship that focuses on theoretical, practical, and/or teaching applications; thus, advancing the standards and leadership of the interpreting profession both signed and spoken, via research, rigorous study, and practice.

#### Learning Outcomes

1. Exemplify reflective practice in interpreting and teaching through observation, application, analysis and supervision.
2. Contribute to a growing body of research on interpreting and interpreter education.
3. Exhibit advanced competence in interpreting effectiveness and quality leadership.

The M.A. in Interpreting Studies degree consists of 45-54 credits in interpreting theory and practice with programs in Theory & Practice, Advanced Interpreting, and/or Teaching Interpreting. The coursework is primarily online.

Individuals pursuing the Theory & Practice Interpreting degree will complete 27 credits of coursework and 18 credits of internship and portfolio. Students entering the Theory & Practice Interpreting Studies program should already have:

- Native fluency in one of their working languages;
- At least five years of language acquisition in their second working language;
- Baccalaureate degree in related field (e.g. Interpreting, Translation, Spanish, ASL Studies, Linguistics or Interdisciplinary Studies).

Individuals who are already seasoned and/or credentialed interpreters, will take courses to enhance their experience and knowledge. Students pursuing the Advanced Interpreting program will complete 50 credits of coursework and an additional 4 credits in internship and portfolio while students pursuing the Teaching Interpreting program will complete 50 credits of coursework and an additional 4 credits in student teaching and portfolio. Students entering the Advanced Interpreting and/or Teaching Interpreting programs should already have:

- Foundational theory and knowledge in translation and interpretation studies;
- Two years of experience translating and/or interpreting, and/or national certification;
- Documented experience with mentoring, teaching, and/or training (e.g., mentoring contract, résumé and letters of recommendation).

### Continuous enrollment

Graduate students enrolled in the Interpreting Studies program are required to be continuously enrolled (for a minimum of 3 graduate credits per term) until all requirements have been completed. Summer session registration is not required unless the student is using university facilities or faculty or staff services (example: thesis advisement, library services).

### Choose One Focus Area

- Advanced Interpreting or Teaching Interpreting
- Theory and Practice

### Advanced Interpreting or Teaching Interpreting

#### Core Courses

- INT 609 Practicum **Credits: 1-4**
- INT 612 Proseminar **Credits: 3**
- INT 618 Ethics and Professional Practice **Credits: 3**
- INT 624 Teaching and Technology **Credits: 1**
- INT 625 Becoming a Practice Profession: The History of Interpreting and Interpreter Education **Credits: 3**
- INT 630 Communication in a Practice Profession **Credits: 3**

## Academic Programs

- INT 633 Research and Writing: Translation and Interpretation **Credits: 3**
- INT 635 Qualitative Methods **Credits: 3**
- INT 640 Teaching Ethics and Professional Practice **Credits: 3**
- INT 645 Research on Translation and Interpretation I **Credits: 3**
- INT 650 Teaching Meaning Transfer **Credits: 3**
- INT 655 Assessment for Interpreter Educators **Credits: 3**
- INT 665 Interpreter Education Curriculum Development **Credits: 3**
- INT 670 Leadership Roles in the Field of Interpreting **Credits: 3**
- INT 675 Adult Education **Credits: 3**
- INT 677 Intrapersonal Aspects of Interpreting **Credits: 3**

## Internship or Teaching and Portfolio

Depending upon what track the student is on, they must complete one of the following field experiences:

- INT 610 Internship & Portfolio Credits: **4** for students in Advanced Interpreting program
- INT 639 Student Teaching & Portfolio Credits: **4** for students in Teaching Interpreting program

## Electives

If needed, choose from the options below:

- INT 606 Special Projects **Credits: 1-3**
- INT 607 Seminar **Credits: 1-3**
- INT 608 Workshop **Credits: 1-3**

## Exit Evaluation Requirement

**Students must complete the following exit evaluation in order to receive their degree:**

## Thesis/Professional Project

- INT 646 Research on Translation and Interpretation II **Credits: 5**

**Total Credits: 54**

## Theory and Practice

## Core Courses

- INT 612 Proseminar **Credits: 3**
- INT 615 Communication for Interpreters **Credits: 3**
- INT 618 Ethics and Professional Practice **Credits: 3**
- INT 625 Becoming a Practice Profession: The History of Interpreting and Interpreter Education **Credits: 3**
- INT 630 Communication in a Practice Profession **Credits: 3**
- INT 633 Research and Writing: Translation and Interpretation **Credits: 3**
- INT 635 Qualitative Methods **Credits: 3**
- INT 645 Research on Translation and Interpretation I **Credits: 3**
- INT 677 Intrapersonal Aspects of Interpreting **Credits: 3**

## Exit Evaluation Requirement

**Choose from a combination of the following courses for a total of 18 credits, INT 619 and INT 620 may be repeated for credit**

## Portfolio

- INT 619 Professional Field Experience I **Credits: 3**
- INT 620 Professional Field Experience II **Credits: 6**
- INT 621 Professional Field Experience III **Credits: 9**

**Total Credits: 45**

## Justice Studies, M.S.

**Professors:** Vivian Djokotoe, Misty Weitzel

**Associate professors:** Miyuki Arimoto, Omar Melchior Ayala, Mari Sakiyama, Taryn VanderPyl

**Coordinator:** Omar Melchior Ayala

## Mission

The Master of Science in Justice Studies (MSJS) provides an interdisciplinary approach to social justice issues (both including and beyond criminal justice) for students who wish to focus on advocacy, policy, and research in the administration of justice. Students will learn strategies for conducting consequential research, evaluating and shaping policies and practices, and seeking and affecting change by addressing complex social challenges. The curriculum will expose students to a variety of social justice components and issues, while helping them progress toward scholarly work that allows them to focus on their individual areas of concern and passion.

# Academic Programs

## Learning Outcomes

Combining elements of criminal justice, sociology, and political science students will:

1. Gain knowledge of complex social justice issues and how different systems interact around and within these realms.
2. Analyze interdisciplinary theories and approaches to complex social justice challenges and concerns.
3. Employ appropriate methods of social science research to investigate targeted problems and questions of justice.
4. Demonstrate an understanding of strategies for addressing complex social justice issues through activism, policy, practice, and intervention.

### Course Structure

The 45 credit program is comprised of 25 credits of Core coursework, 12 credits of Capstone coursework, and 8 credits of Elective coursework.

### Capstone Sequence

As a final evaluation of their studies, all students will complete a 12-credit capstone research project comprised of three sequential courses: CJ 623, CJ 624, and CJ 625. Their final evaluation can be either a thesis or professional project and will be completed during their CJ 625 course in their last term of studies. Students must apply for graduation with the Graduate Programs office prior to their last term in order to have this exit evaluation recorded and to receive their degree.

## Core Courses

- CJ 608 Workshop **Credits: 1-15 Credits: 1**
- CJ 612 Research in Criminal Justice **Credits: 4**
- CJ 619 Ethics and Leadership in Criminal Justice Organizations **Credits: 4**
- CJ 627 Quantitative Methods in Social Science **Credits: 4**
- JS 629 Social Movement and Community Organization **Credits: 4**
- JS 658 Justice and Social Theory **Credits: 4**
- JS 659 Social Problems **Credits: 4**

## Capstone Sequence

- CJ 623 Criminal Justice Research: Explore and Initiate **Credits: 4**
- CJ 624 Criminal Justice Research: Construct and Compile **Credits: 4**
- CJ 625 Criminal Justice Research: Compose and Complete **Credits: 4**

## Elective Credits: 8

- CJ 545 Race and Justice **Credits: 4**
- JS 655 Convict Criminology **Credits: 4**
- PS 579 American Constitutional Law **Credits: 4**
- PS 594 Human Rights **Credits: 4**
- SOC 537 Sociology of Race/Ethnic Relations **Credits: 3**
- SOC 554 Sociology of Deviant Behavior **Credits: 3**
  - or choose any two 500 or 600 CJ or JS classes

## Exit Evaluation Requirement

Students must complete one of the following exit evaluations in order to receive their degree:

- Thesis
- Professional Project

## Total Credits: 45

## Literacy Education, M.S.Ed.

## Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

## Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Show commitment to and develop professional education leadership attributes.

The Literacy Education, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

- Professional Education Core (15)
- Literacy Education Major (18)
- Electives (6)
- Exit requirements (culminating experience) (6)

## Academic Programs

### Professional Education Core

All MEd students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

### Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

### Core Courses

- Credits: 18
- See Literacy Education coordinator

### Elective Credits: 6

### Culminating Experiences Exit Requirement

#### Option 1: Professional Project

- ED 604 Professional Project Planning **Credits: 3**
  - and ED 605 Professional Project Implementation **Credits: 3**
- or
- ED 607 Seminar **Credits: 1-8** Credits: 3
  - and ED 609 Practicum **Credits: 1-15** Credits: 3
- or
- ED 617 Professional Inquiry in Education **Credits: 3**
  - and ED 635 Action Research **Credits: 3**

#### Option 2: Thesis

Six hours of thesis

- ED 603 Thesis, Professional Project or Field Study **Credits: 3-9** Credits: 6

### Total Credits: 45

### Organizational Leadership, M.A.

**Coordinator:** David Foster

### Mission

Provide opportunities for both emerging and established leaders to enhance and apply their leadership knowledge, competencies, and values within any sector, industry, or setting. The program curriculum is devoted to helping students master the fundamental human processes of leadership and organizational development. Students will not only grow as leaders through action-based learning, but they will also make a positive impact on their communities and workplaces through a practical application of cumulative skills.

### Learning Outcomes

1. Demonstrate knowledge and application of principles, theories, and concepts of leadership within organizational settings.
2. Demonstrate critical cognitive competencies including: critical and creative thinking; effective decision making; strategic planning; and ethical reasoning.
3. Demonstrate critical behavioral and social competencies to facilitate personal growth as a leader and to work effectively with people from diverse backgrounds.
4. Demonstrate integration of knowledge and competencies by analyzing and responding to organizational challenges at local, national, and/or global levels.

The Master's Degree in Organizational Leadership degree consists of 45 credit hours of approved graduate-level courses. The degree has four areas:

1. Fundamental Skills (3)
2. Adaptive Leadership (15)
3. Enabling Leadership (15)
4. Executive Leadership (12) includes exit requirements

### Core Courses

#### Fundamental Skills

- WR 630 Professional Writing and Research **Credits: 3**

#### Adaptive Leadership

- OL 612 Conflict Management **Credits: 3**

## Academic Programs

- OL 614 Leading for Creativity and Innovation **Credits: 3**
- OL 631 Fundamentals of Leadership **Credits: 3**
- OL 632 Building Effective Teams **Credits: 3**
- OL 633 Organizational Communication **Credits: 3**

## Enabling Leadership

- OL 613 Human Behavior in Organizations **Credits: 3**
- OL 619 Strategic Change and Organizational Development **Credits: 3**

## Elective Credits: 9

Consult your advisor about elective options.

- OL 507 Seminar **Credits: 3**
- OL 606 Special Individual Studies **Credits: 1-3**
- OL 607 Seminar **Credits: 3**
- OL 618 Advanced Leadership **Credits: 3**
- OL 624 Talent Management **Credits: 3**
- OL 625 Executive Coaching **Credits: 3**
- OL 626 Leading Sustainability **Credits: 3**
- OL 627 Leadership: Keys to Mental and Physical Health **Credits: 3**
- OL 628 Leadership and Work-Family Balance **Credits: 3**
- OL 634 Leading Across Cultures **Credits: 3**
- OL 635 Leading in Public Organizations **Credits: 3**
- OL 636 Data Driven Decision Making **Credits: 3**

## Executive Leadership

- OL 611 Ethics in Leadership **Credits: 3**
- OL 615 Strategic Leadership **Credits: 3**
- OL 622 Critical Thinking for Leaders **Credits: 3**
- OL 690 Leadership Action Project **Credits: 1-3**

## Exit Evaluation

Students must complete the following exit evaluation to receive their degree:

- Portfolio

## Total Credits: 45

## Reading, M.S.Ed.

## Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

## Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Demonstrate commitment to and develop professional education leadership attributes.

The Reading, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

1. Professional Education Core (15)
2. Reading Major (18)
3. Electives (6)
4. Exit requirements (culminating experience) (6)

All programs must be approved by the Coordinator of Reading. All courses must be successfully completed before practicum.

## Professional Education Core

All MSED students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

## Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

## Core Courses

- ED 655 Foundations of Literacy **Credits: 3**

## Academic Programs

- ED 667 Supporting Language and Literacy Development **Credits: 3**
- ED 668 Assessment & Reading Instruction **Credits: 3**
- ED 672 Literacy Leadership Practicum **Credits: 3**
- ED 609 Reading Practicum (II) **Credits: 3**
- ED 609 Reading Practicum (III) **Credits: 3**

### Elective Credits: 6

Consult with your adviser for other options.

- ED 628 Teaching Writing Across the Disciplines **Credits: 3**
- ED 680 Psychology of Reading Instruction **Credits: 3**
- ED 689 Contemporary Children's and Young Adult Literature in the Classroom **Credits: 3**
- ED 693 Teaching Reading Across the Disciplines **Credits: 3**

### Culminating Experiences Exit Requirement: Professional Project

- ED 604 Professional Project Planning **Credits: 3**
- ED 605 Professional Project Implementation **Credits: 3**

### Total Credits: 45

## Rehabilitation Counseling, M.S.

**Professor:** Chung-Fan Ni

**Associate professor:** Denise Thew Hackett, Chien-Chun Lin

**Assistant professor:** Carlos Obed Texidor Maldonado

## Mission

Prepare rehabilitation and mental health professionals who are skilled in advocating for and with persons who are deaf or have disabilities and who are competent counselors knowledgeable about the development and dissemination of innovative and culturally sensitive rehabilitation practices and policies.

## Learning Outcomes

1. Demonstrate comprehensive understanding of the rehabilitation counseling related theories and policies.
2. Demonstrate competency in facilitating employment, independent living, community integration and personal adjustment for individuals who are deaf or have disabilities and come from diverse cultural backgrounds.

3. Show commitment to professional excellence and leadership through the practice of ethical behavior and integrity.

The Rehabilitation Counseling (RC) Masters degree within the Rehabilitation and Mental Health Counseling (RMHC) program prepares students for both vocational and mental health counseling. Preparation consists of a two to three-year sequential program that integrates academic knowledge and theory with closely supervised counseling practice. Many classes are offered as a hybrid (once or twice a month in-person, on a Saturday at the Salem campus) and online. Some classes require weekly online synchronous sessions (e.g. Group, Practicum, and Internship supervision). Some classes are offered asynchronously online. Students in the RC program generally complete the program in 2 to 3 years. Graduates of this program provide counseling and consultative services to the general population of persons with disabilities. Students who are interested in mental health counseling are eligible to seek licensure as licensed professional counselors.

The RMHC program cohort begins the fall term each year and requires a minimum of seven sequential terms, including one or two summer terms depending if following a 2 or 3-year plan. Graduates are prepared for positions in a variety of agencies where the counselor is part of a team of specialists providing comprehensive services to persons who have a disability.

Employment opportunities that are within the scope of training include: vocational rehabilitation counselor, case manager with a vendor who serves vocational rehabilitation clients, youth transition specialist, community services coordinator for adults with disabilities, student disability services, client advocate and group or supported living coordinator and mental health counselor in community and higher education settings.

The program emphasizes five major academic components:

- Individual and group counseling theory and technique;
- The influence of career acquisition and personal independence on the daily lives of people with disabilities;
- The social and psychological impact of disability on an individual and family;
- The federal, state and private service delivery systems for persons with disabilities; and,
- Self-awareness on the part of the counselors-in-training.

## Core Courses

- RC 609 Practicum **Credits: 4 Credits: 8**
- RC 610 Internship **Credits: 10 Credits: 20**
- RC 611 Counseling And Helping Relationships **Credits: 4**
- RC 612 Theory and Techniques of Counseling **Credits: 4**



## Academic Programs

- RC 613 Career Development Theories and Job Development and Placement Techniques **Credits: 4**
- RC 623 System and Social Justice in Rehabilitation Counseling **Credits: 2**
- RC 625 Research And Program Evaluation **Credits: 4**
- RC 630 Group Counseling and Group Work **Credits: 4**
- RC 631 Human Growth And Development Theories **Credits: 4**
- RC 632 Medical & Psychosocial Aspects of Disabilities **Credits: 4**
- RC 633 Social And Cultural Foundation in Counseling **Credits: 4**
- RC 634 Diagnosis/Treatment Planning and Psychopharmacology of Mental Disorder **Credits: 4**
- RC 640 Trauma and Crisis Intervention in Counseling **Credits: 4**
- RC 645 Counseling in Addictive Behaviors **Credits: 4**
- RC 650 Professional Counseling Orientation And Ethical Practice **Credits: 4**
- RC 651 Professional Counseling Ethical Practice II **Credits: 2**
- RC 660 Case Management & Community Partnerships **Credits: 4**
- RC 662 Assessment And Testing **Credits: 4**
- RC 670 Professional Topics Seminar **Credits: 2**
- Optional: (cannot be substituted for any of the above 90 credits):
- Elective: Writing course (3 or 4 credits)

## Exit Evaluation Requirement

**Students must complete the following exit evaluation in order to receive their degree:**

- Comprehensive Case Conceptualization Presentation

**Total Credits: 90-94**

**Note:**

All RC 609 and RC 610 sections will be P/NC grading only. A "P" grade represents work of at least "B" level.

## Special Education, M.S.Ed.

### Mission

Prepare special education professionals who are grounded in knowledge about disabilities, issues regarding the provision of special education and related services and the development

and dissemination of innovative and culturally sensitive practices and policies.

## Learning Outcomes

1. Demonstrate commitment to professional excellence and leadership through the practice of ethical behavior and integrity via professional learning communities and a formal research paper.
2. Facilitate the education, independent living, school and community integration and personal adjustment of individuals with disabilities taking into account diverse cultural backgrounds via a class presentation and a formal research paper.
3. Develop a comprehensive understanding of the field of special education and related services that includes knowledge of theories, policies and instructional practices that influenced the field.

Candidates may have, but are not required to have, prior teaching licensure. The program requires a minimum of 45 graduate credits for candidates with a prior teaching license and 57 credits for candidates without a prior teaching license.

## Core Courses

### Professional Education Core

- SPED 607 Seminar **Credits: 1-6 Credits: 3**
- SPED 616 Evaluating Special Education Research **Credits: 3**  
or ED 612 Quantitative Research in Education **Credits: 3**  
or ED 633 Educational Research **Credits: 3**
- SPED 682 Contemporary Issues in Special Education **Credits: 3**

### Special Education Content Core

- SPED 607 Seminar **Credits: 1-6 Credits: 3**
- SPED 618 Introduction to Special Education **Credits: 3**
- SPED 622 Literacy Methods for the Diverse Learner **Credits: 3**
- SPED 623 Behavior Support **Credits: 3**
- SPED 625 Assessment for Instruction **Credits: 3**
- SPED 628 Math Methods for the Diverse Learner **Credits: 3**
- SPED 630 Instructional Methods for Learners with Extensive Support Needs **Credits: 3**
- SPED 642 Standardized Assessment **Credits: 3**
- SPED 646 Law and Special Education **Credits: 3**

## Academic Programs

- SPED 670 Collaboration: Supporting Exceptional Learners **Credits: 3**
- SPED 649 Clinical Experience III **Credits: 3**
- SPED 689 Clinical Experience IV **Credits: 3**

Those candidates without a teaching license will also complete the following courses:

- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- SPED 617 Theory and Philosophy of Teaching Exceptional Learners **Credits: 3**
- SPED 647 Clinical Experience I **Credits: 3**
- SPED 648 Clinical Experience II **Credits: 3**

**Total Credits: 45-57**

### Note

Note: Completion of the Special Education MS.Ed. program along with all state licensure requirements will result in a masters degree and a special education PK-12 Generalist endorsement/license.

## STEM Education, M.S.Ed.

**Coordinator:** Joshua Schulze

## Mission

Empower educators to strengthen their knowledge, skills, and dispositions to improve their professional practices, to enhance their leadership abilities, and to improve the quality of education using creativity, innovation, and research.

## Learning Outcomes

1. Effectively apply the professional content expertise, knowledge, skills, and dispositions of their education profession.
2. Use research and evidence to develop environments that support and assess learning and their own professional practice.
3. Show commitment to and develop professional education leadership attributes.

The STEM Education, Master of Science in Education degree consists of 45 credit hours of approved graduate-level courses.

The degree has four areas:

1. Professional Education Core (15)

2. STEM Education Major (18)
3. Electives (6)
4. Exit requirements (culminating experience) (6)

## Professional Education Core

All MEd students complete this core

- Computer Science Education **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 633 Educational Research **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**

## Choose One

- ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility **Credits: 3**
- ED 611 Theories of Teaching and Learning **Credits: 3**

## Core Courses

- ED 637 Inquiry Into Pedagogy **Credits: 3**
- ED 675 Technology Applications in STEM **Credits: 3**
- ED 676 Environmental STEM Education **Credits: 3**
- ED 678 STEM Education For All **Credits: 3**
- STEM Education Elective

## Elective Credits: 6

## Culminating Experiences Exit Requirement

### Option 1: Professional Project

- ED 604 Professional Project Planning **Credits: 3**
  - and ED 605 Professional Project Implementation **Credits: 3**
- or
- ED 617 Professional Inquiry in Education **Credits: 3**
  - and ED 635 Action Research **Credits: 3**

### Option 2: Thesis

Six hours of thesis

- ED 603 Thesis, Professional Project or Field Study **Credits: 3-9 Credits: 6**

## Academic Programs

Total Credits: 45

Teaching, M.A.T.

### Two tracks

Master of Arts in Teaching: Initial Secondary Licensure track

Master of Arts in Teaching: Initial Elementary Licensure track

### Mission

Committed to facilitating the learning and development of our candidates who, in turn, can successfully affect the learning and development of students in schools.

### Learning Outcomes

1. Plan instruction that supports student progress in learning and is appropriate for the development level of students.
2. Establish a classroom climate conducive to learning.
3. Engage students in planned learning activities through the Education Teacher Performance Assessment.

### Choose One Track

- Teaching, Initial Elementary Licensure Track, M.A.T.
- Teaching, Initial Secondary Licensure Track, M.A.T.

Teaching, Initial Elementary Licensure Track, M.A.T.

This program is not accepting new students.

### Core Courses

- ED 609 Practicum **Credits: 1-15**
- ED 615 Critical Inquiry Into the Foundational Narratives of Schooling **Credits: 3**
- ED 616 M.A.T. Clinical Experience II **Credits: 3**
- ED 618 Teaching for Equity, Justice, and Agency **Credits: 3**
- ED 624 Rethinking Special Education **Credits: 3**
- ED 637 Inquiry Into Pedagogy **Credits: 3**
- ED 642 Curriculum, Assessment, Instruction, and Reflection **Credits: 3**

- ED 643 The Whole Child: Metaphors of Learning and Development **Credits: 3**
- ED 651 Content Area Literacy **Credits: 3**
- ED 652 Integrating Health and Physical Education **Credits: 3**
- ED 654 Classroom Climate and Environments for Learning **Credits: 3**
- ED 662 Inquiry into Pedagogy - eMAT STEM **Credits: 3**
- ED 663 Inquiry to Pedagogy (eMAT Math) **Credits: 3**
- ED 665 Reading and Writing Through Children's Literature **Credits: 3**
- ED 674 Integrating the Creative Arts **Credits: 3**
- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- ED 685 The Word and the World: Supporting All Learners Through Language and Literacy **Credits: 3**
- ED 686 Capstone and Professional Leadership Seminar I **Credits: 2**
- ED 687 Capstone and Professional Leadership Seminar II **Credits: 2**
- ED 688 Capstone and Professional Leadership Seminar III **Credits: 2**
- ED 697 M.A.T. Clinical Experience III **Credits: 1-9**

### Exit Evaluation Requirement

Students must complete the following exit evaluation in order to receive their degree:

- Portfolio

Total Credits: 56-78

Teaching, Initial Secondary Licensure Track, M.A.T.

### Core Courses

- ED 534 Content Pedagogy I **Credits: 3**
- ED 536 Content Pedagogy II **Credits: 3**
- ED 607 Seminar **Credits: 1-8**
- ED 614 Practicum **Credits: 3**
- ED 615 Critical Inquiry Into the Foundational Narratives of Schooling **Credits: 3**
- ED 616 M.A.T. Clinical Experience II **Credits: 3**
- ED 618 Teaching for Equity, Justice, and Agency **Credits: 3**
- ED 622 Curriculum Cycle: Assessment for Planning **Credits: 3**

## Academic Programs

- ED 623 Developmentally Appropriate Classroom Management **Credits: 3**
- ED 624 Rethinking Special Education **Credits: 3**
- ED 643 The Whole Child: Metaphors of Learning and Development **Credits: 3**
- ED 651 Content Area Literacy **Credits: 3**
- ED 657 Professional Seminar I **Credits: 3**
- ED 658 Professional Seminar II **Credits: 3**
- ED 659 Professional Seminar III **Credits: 3**
- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- ED 697 M.A.T. Clinical Experience III **Credits: 1-9**
- Up to three credits of the above courses may be waived by the program coordinator if a transcript review indicates that proficiencies required by TSPC for licensure have already been met in a previous course.

## Exit Evaluation Requirement

**Students must complete the following exit evaluations in order to receive their degree:**

- Teacher Performance Assessment
- Action Research Project

**Total Credits: 47-62**

## Graduate Certification

## Adaptive Leadership Certificate

### Learning Outcomes

1. Demonstrate knowledge and application of principles, theories, and concepts of leadership within complex adaptive systems.
2. Demonstrate creative thinking and problem solving.
3. Demonstrate personal growth as a leader and to the ability to work effectively with people from diverse backgrounds.

### Core Courses

- OL 612 Conflict Management **Credits: 3**
- OL 614 Leading for Creativity and Innovation **Credits: 3**
- OL 631 Fundamentals of Leadership **Credits: 3**
- OL 632 Building Effective Teams **Credits: 3**
- OL 633 Organizational Communication **Credits: 3**

**Total Credits: 15**

## Advanced Juvenile Justice Studies Certificate

### Mission

Provides students with advanced knowledge of research, theory, and practice that addresses challenges with youth, family, and community impacted by delinquent behavior and the juvenile justice system.

### Learning Outcomes

1. Explore the complexities of youth as a unique group of offenders with separate needs within the criminal justice system.
2. Understand the immediate and long-term effects of justice system involvement on youth, families, and communities.
3. Critically evaluate and analyze methods of responding to delinquent behavior and youth crime in the juvenile and criminal justice systems.
4. Dissect the causes and consequences of youth crime and evidence-based practices for addressing delinquency and offending.

### Core Courses

- CJ 551 Youth, Crime and Society **Credits: 4**
- CJ 611 Contemporary Juvenile Issues **Credits: 4**
- CJ 612 Research in Criminal Justice **Credits: 4**
- CJ 618 Theory of Criminal Law **Credits: 4**
- CJ 653 Advanced Corrections **Credits: 4**
- CJ 656 Contemporary Issues in Criminal Justice **Credits: 4**  
or CJ 609 Practicum **Credits: 1-12** Credits: 4
- CJ 660 Advanced Criminology **Credits: 4**

**Total Credits: 28**

## Dual Language/Bilingual Education Certificate

### Mission

Prepares teachers and other education professionals to develop students' competencies in bilingualism, biliteracy and multiculturalism. Builds expertise for effective instruction,

## Academic Programs

leadership and advocacy in dual language and bilingual settings.

## Learning Outcomes

1. Prepare teachers and other education professionals to apply theories of first and second language acquisition to their practice and to use theoretical principles related to the role of culture and identity to foster an inclusive learning environment in dual language and bilingual settings.
2. Prepare teachers and other education professionals to use evidence based practices and strategies related to planning/developing/designing, implementing and managing/ assessing instruction in dual language and bilingual settings.
3. Prepare teachers and other education professionals to act as a resource and advocate for multilingualism and to collaborate with students, their families and the community in order to meet the needs of multilingual students.

## Core Courses

- ED 631 Classroom Strategies for Biliteracy Development **Credits: 3**
- ED 641 Theories of Bilingualism **Credits: 3**
- ED 644 Bilingualism in Socio-cultural Contexts **Credits: 3**
- ED 645 Instruction and Assessment in Dual Language/Bilingual Settings **Credits: 3**
- ED 647 Critical Inquiry and Reflective Practice for Dual Language/Bilingual Educators **Credits: 3**

Total Credits: 15

## Elementary Mathematics Specialist (K-8) Certificate

### Mission

Elementary Mathematics Specialists will know and deeply understand the mathematics of elementary school, how mathematics concepts and skills develop through middle school, will have foundation in pedagogical content knowledge and will be prepared to take on collegial non-evaluative leadership roles within their schools and districts. They will have a broad view of many aspects and resources needed to support and facilitate effective instruction and professional growth.

## Learning Outcomes

1. Demonstrate content knowledge for teaching mathematics.
2. Develop pedagogical knowledge for teaching mathematics.
3. Apply leadership knowledge and skills.

This program is appropriate for individuals who work or plan to work, in a K-8 school system or any field where teaching and learning are integral to the mission. The EMS certificate can be embedded within the MSED Elementary Mathematics Specialist (K - 8) degree at WOU and qualifying candidates may also apply for a TSPC Mathematics Instructional Leader: PreK-8 Specialization.

Students with a completed Baccalaureate degree and a valid K-12 teaching license may enter the 24-credit certificate program after meeting university requirements for graduate admission.

## Core Courses

- ED 609 Practicum **Credits: 1-15** Credits: 3
- ED 637 Inquiry Into Pedagogy **Credits: 3**
- ED 673 Mathematics Leadership in K-8 Schools **Credits: 3**
- MTH 611 Counting and Whole Number Operations: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 612 Fractions and Proportions: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 613 Geometry and Measurement: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 614 Statistics and Probability: K-8 Learning and Teacher Practices **Credits: 3**

## Choose One

- MTH 615 Patterns and Algebraic Thinking: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 616 Algebra and Functions: K-8 Learning and Teacher Practices **Credits: 3**

Total Credits: 24

## Enabling Leadership Certificate

### Mission

Provide opportunities for leaders to enhance and apply their leadership knowledge, competencies, and values within any sector, industry, or setting. The program curriculum is devoted to helping students master the fundamental human processes of leadership and organizational development. Students will not only grow as leaders through action-based learning, but

## Academic Programs

they will also make a positive impact on their communities and workplaces through a practical application of cumulative skills.

## Learning Outcomes

1. Demonstrate knowledge and application of principles, theories, and concepts of leadership within organizational settings.
2. Develop and apply skills that promote the development of others.
3. Apply teamwork, leadership, and communication skills to work effectively with people from diverse backgrounds.

## Core Courses

- OL 613 Human Behavior in Organizations **Credits: 3**
- OL 619 Strategic Change and Organizational Development **Credits: 3**

## Elective Credits: 9

To be chosen with advisor.

- OL 507 Seminar **Credits: 3**
- OL 606 Special Individual Studies **Credits: 1-3**
- OL 607 Seminar **Credits: 3**
- OL 618 Advanced Leadership **Credits: 3**
- OL 624 Talent Management **Credits: 3**
- OL 625 Executive Coaching **Credits: 3**
- OL 626 Leading Sustainability **Credits: 3**
- OL 627 Leadership: Keys to Mental and Physical Health **Credits: 3**
- OL 628 Leadership and Work-Family Balance **Credits: 3**
- OL 634 Leading Across Cultures **Credits: 3**

Total Credits: 15

## English for Speakers of Other Languages Certificate

### Mission

Prepares teachers and other education professionals to ensure that emerging bilingual learners succeed in all aspects of their schooling: academics, socialization, linguistic development, acculturation and physical and emotional health.

## Learning Outcomes

1. Prepare teachers and other education professionals to understand how first and second languages are acquired and developed and apply research-based teaching and assessment practices that address the needs of emerging bilingual students in a variety of school settings.
2. Prepare teachers and other education professionals to foster a climate that is inclusive of all diversity and understand the influence of culture on students' learning process and academic achievement.
3. Prepare teachers and other education professionals who are knowledgeable about policies related to the education of emerging bilingual students and who collaborate with colleagues, administrators and families to meet learners' needs.

## Core Courses

- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- ED 682 Sociopolitical Foundations of ESOL/Bilingual Education **Credits: 3**
- ED 683 Fostering Cultural and Community Connections in the ESOL/Bilingual Classroom **Credits: 3**
- ED 684 Language Acquisition and Educational Linguistics in the ESOL/Bilingual Classroom **Credits: 3**
- ED 691 Curriculum, Instruction and Assessment Strategies for Emergent Bilinguals **Credits: 3**
- ED 692 English Language Development for ESOL and Bilingual Settings **Credits: 3**

Total Credits: 18

## Executive Leadership Certificate

## Learning Outcomes

1. Demonstrate knowledge and application of principles, theories, and concepts of leadership within organizational settings.
2. Develop critical intellectual skills including: critical thinking and analytical reasoning; ethical reasoning; and effective decision making.
3. Apply teamwork, leadership, and communication skills to work effectively with people from diverse backgrounds.

## Core Courses

## Academic Programs

### Executive Leadership Core

- OL 611 Ethics in Leadership **Credits: 3**
- OL 615 Strategic Leadership **Credits: 3**
- OL 622 Critical Thinking for Leaders **Credits: 3**

### Electives: Choose One Option

#### Option 1

- OL 690 Leadership Action Project **Credits: 1-3**
- WR 630 Professional Writing and Research **Credits: 3**

#### Option 2

- 6 credits Organizational Leadership (OL) courses selected in consultation with advisor

**Total Credits: 15**

### Healthcare Administration Certificate

**Coordinator:** David Foster

#### Mission

Provide advanced learning opportunities to students interested in enhancing their knowledge and skills in healthcare administration. Courses offered address healthcare policy issues, leadership skills, and issues related to disparities in access to health care.

#### Learning Outcomes

1. Demonstrate knowledge of the healthcare system and the environment in which healthcare managers and providers function including policy, laws, regulations, standards and ethics.
2. Identify circumstances causing major changes and reform to the structure of the U.S. healthcare system and explain the impact on the delivery of health services to diverse populations at a local, regional, and national level.
3. Demonstrate professional and ethical leadership that will positively affect performance as a healthcare manager.

### Core Courses

- HCA 621 Healthcare Politics and Policy **Credits: 3**
- HCA 622 Diversity and Ethical Leadership in Healthcare **Credits: 3**

- HCA 623 Disparities in Health Care **Credits: 3**

### Electives

#### Choose One Option:

#### Option 1

- 6 credits of Healthcare Administration (HCA) electives selected in consultation with advisor

#### Option 2

- 3 credits of Healthcare Administration (HCA) electives selected in consultation with advisor
- 3 credits of Organizational Leadership (OL) electives selected in consultation with advisor

### Healthcare Administration Elective Courses

- HCA 640 Quality Improvement for Healthcare Leaders **Credits: 3**
- HCA 641 Issues in Rural Healthcare Management **Credits: 3**
- HCA 642 Foundations of Gerontology for Healthcare Administrators **Credits: 3**
- HCA 643 Advanced Topics in Healthcare **Credits: 3**

### Organizational Leadership Elective Courses

- OL 613 Human Behavior in Organizations **Credits: 3**
- OL 619 Strategic Change and Organizational Development **Credits: 3**
- OL 631 Fundamentals of Leadership **Credits: 3**
- OL 632 Building Effective Teams **Credits: 3**
- OL 633 Organizational Communication **Credits: 3**

**Total Credits: 15**

### Instructional Design Certificate

**Coordinator:** Greg Zobel

#### Mission

Provides graduate students from diverse backgrounds, advanced skills in the planning and creation of learning experiences using technology in the classroom, online and in informal environments.

# Academic Programs

## Learning Outcomes

1. Design instruction for online and face-to-face learning that addresses the diverse needs of learners.
2. Create effective educational materials in multiple types of media.
3. Provide support for instructional uses of technology through tutorials, instructional presentations and one-on-one mentoring.

This program is appropriate for individuals who work or plan to work, in adult learning environments, corporate training, informal education, K-12 school systems or any field where teaching and learning are integral to the mission. The ID certificate can be embedded within the MS Ed: Information Technology degree at WOU.

Students with a completed Baccalaureate degree may enter the 24-credit certificate program after meeting university requirements for graduate admission.

## Core Courses

CSE 626 can be taken one time and applies to both Curriculum Design and eLearning Modules

### Curriculum Design

- CSE 615 Designing Information **Credits: 3**
- CSE 626 Instructional Design **Credits: 3**
- CSE 680 Communication Theories **Credits: 3**

### eLearning Module

- CSE 616 Designing and Teaching Online Courses **Credits: 3**
- CSE 617 Open Source Tools **Credits: 3**
- CSE 626 Instructional Design **Credits: 3**

### Digital Content Module

#### Choose One

- CSE 627 Social Media & Web-based Tools for Teaching, Training, and Learning **Credits: 3**
- CSE 628 Teaching Across the Curriculum Using Geospatial Technologies **Credits: 3**
- CSE 660 Video Production I **Credits: 3**

#### Choose One

- CSE 625 Curating & Maintaining an Online Identity **Credits: 3**
- CSE 629 Web-Based Website Design **Credits: 3**

#### Credits: 3

- CSE 606 Special Individualized Study **Credits: 1-3**
- CSE 684 Creating Web-Based Tutorials **Credits: 1**
- CSE 685 Assessment Tools **Credits: 1**
- CSE 687 Mobile Technologies in Education **Credits: 1**
- CSE 689 Creating Electronic Portfolios **Credits: 1**
- CSE 690 Digital Photography and Photo Editing **Credits: 1**
- CSE 691 Digital Storytelling **Credits: 1**
- CSE 692 Learning Objects **Credits: 1**
- CSE 694 Blogs in Education **Credits: 1**
- CSE 696 Podcasts and Vodcasts **Credits: 1**

#### Total Credits: 24

#### Note:

Substitute courses must be approved by adviser.

## Interpreting Studies: Educational Interpreting Certificate

Eligibility to participate in the graduate certificate programs will be admission to WOU's Graduate program and completion of an interpreter education program or are currently working as an educational interpreter.

## Mission

Provides educational interpreters (pre or post service), coursework and supervised experience that focuses on theoretical and practical, applications; thus, advancing the standards and leadership of the educational interpreting profession, via research, rigorous study, and practice.

## Learning Outcomes

1. Exemplify reflective practice in educational interpreting through observation, application, analysis and supervision.
2. Contribute to a growing body of literature on educational interpreting
3. Exhibit advanced competence in interpreting effectiveness.



## Academic Programs

### Core Courses

#### Interpreting Studies Core Credits: 9

- INT 618 Ethics and Professional Practice **Credits: 3**
- INT 619 Professional Field Experience I **Credits: 3**
- INT 630 Communication in a Practice Profession **Credits: 3**

#### Educational Core Credits: 6

In consultation with your advisor, select two of the following core courses:

- DHHE 623 Academic Discourse in Deaf and Hard of Hearing Education **Credits: 3**
- DHHE 646 Assessment Principles and Practices **Credits: 3**
- ED 632 Cultural, Social and Philosophical Issues in Education **Credits: 3**
- ED 636 Leadership and Policy in a Diverse Society **Credits: 3**
- SPED 670 Collaboration: Supporting Exceptional Learners **Credits: 3**

#### Elective Credits: 3

In consultation with your advisor, select one 3-credit elective course from DHHE, MSED, CSE, OL, or SPED.

#### Total Credits: 18

### Interpreting Studies: Professional Practice Certificate

Entry to the Interpreting Studies: Professional Practice graduate certificate program requires a bachelor's degree in interpreting studies or closely related field, or a bachelor's degree in any field and at least one year of interpreting experience.

#### Mission

Provides interpreters who use English and another language, spoken or signed, coursework and experiences that focus on theoretical and practical applications; thus, advancing the standards and leadership of the interpreting profession both signed and spoken, via research, rigorous study, and practice.

#### Learning Outcomes

1. Exemplify reflective practice in interpreting and teaching through observation, application, analysis and supervision.
2. Contribute to a growing body of literature on interpreting.
3. Exhibit advanced competence in interpreting effectiveness.

### Courses for the Professional Practice Certificate

#### Core Courses

- INT 618 Ethics and Professional Practice **Credits: 3**
- INT 619 Professional Field Experience I **Credits: 3**
- INT 625 Becoming a Practice Profession: The History of Interpreting and Interpreter Education **Credits: 3**
- INT 630 Communication in a Practice Profession **Credits: 3**
- INT 677 Intrapersonal Aspects of Interpreting **Credits: 3**

#### Total Credits: 15

### Interpreting Studies: Reflective Practice

#### Core Courses

- INT 617 Introduction to Reflective Practice **Credits: 3**
- INT 627 Reflective Practice Techniques **Credits: 3**
- INT 637 Rhythms of Reflective Practice **Credits: 3**
- INT 677 Intrapersonal Aspects of Interpreting **Credits: 3**
- Interpreting Studies Elective

#### Total Credits: 15

### Interpreting Studies: Research Certificate

#### Mission

Provides interpreters and interpreter educators who use English and another language, spoken or signed, coursework and experiences that focus on practical, and research applications; thus, advancing the standards and leadership of the interpreting profession both signed and spoken, via research, rigorous study, and practice.

## Academic Programs

### Learning Outcomes

1. Exemplify rigorous research methods through action research and thesis work.
2. Contribute to a growing body of research on interpreting and interpreter education.
3. Exhibit competence in research.

### Core Courses

- INT 612 Proseminar **Credits: 3**
- INT 633 Research and Writing: Translation and Interpretation **Credits: 3**
- INT 635 Qualitative Methods **Credits: 3**
- INT 645 Research on Translation and Interpretation I **Credits: 3**
- Elective

Total Credits: 15

### Interpreting Studies: Teaching Interpreting Certificate

### Core Courses

- INT 640 Teaching Ethics and Professional Practice **Credits: 3**
- INT 650 Teaching Meaning Transfer **Credits: 3**
- INT 655 Assessment for Interpreter Educators **Credits: 3**
- INT 665 Interpreter Education Curriculum Development **Credits: 3**
- INT 675 Adult Education **Credits: 3**

Elective Credits: 3

In consultation with your advisor, select elective(s).

Total Credits: 18

### Reading Specialist Certificate

### Mission

Prepare beginning K-12 teachers and other educational professionals to apply foundational knowledge of language and literacy to pedagogy and practice and to develop their understanding of many aspects and resources needed to

support and facilitate effective instruction and professional growth. Though aligned to the same standards as the Reading Endorsement Program, the Reading Certificate Program does not include practicum experiences where students are required to demonstrate their developing proficiency in literacy leadership. For this reason, the Reading Certificate Program does not culminate in an endorsement. Students who have successfully completed the Reading Certificate may re-enroll after 3 or more years of K-12 teaching practice, in order to complete the Reading Endorsement program.

### Learning Outcomes

1. Know and understand deeply the role of literacy in K-12 schools and how it develops throughout schooling, including knowledge teachers need in order to understand and support student learning of literacy concepts, particularly reading.
2. Knowledge as specified by the NCATE/NCTM Standards for Reading Specialists.
3. Be prepared to take on collegial non-evaluative leadership roles within their schools and districts. They will have a broad view of many aspects and resources needed to support and facilitate effective instruction and professional growth.

This program is appropriate for individuals who work or plan to work, in a K-12 school system or any field where teaching and learning are integral to the mission. The Reading Specialist certificate can be embedded within the MS Ed: Reading degree at WOU and qualifying candidates may also apply for a TSPC Reading Specialization.

Students with a completed Baccalaureate degree and a valid

K-12 teaching license may enter the 24-credit certificate program after meeting university requirements for graduate admission.

### Core Courses

- ED 655 Foundations of Literacy **Credits: 3**
- ED 667 Supporting Language and Literacy Development **Credits: 3**
- ED 668 Assessment & Reading Instruction **Credits: 3**

Elective Credits: 6

- ED 628 Teaching Writing Across the Disciplines **Credits: 3**
- ED 680 Psychology of Reading Instruction **Credits: 3**
- ED 689 Contemporary Children's and Young Adult Literature in the Classroom **Credits: 3**
- ED 693 Teaching Reading Across the Disciplines **Credits: 3**

## Academic Programs

Total Credits: 15

### Social Justice Certificate

#### Mission

Provides students with in-depth knowledge of complex social challenges and tools for addressing issues in social justice through research, theory, organizing, and affecting change.

#### Learning Outcomes

1. Gain knowledge of complex social justice issues and how different systems interact around and within these realms.
2. Analyze interdisciplinary theories and approaches to complex social justice challenges and concerns.
3. Examine strategies for addressing complex social justice issues through activism, policy, practice, and intervention.

#### Core Courses

- CJ 545 Race and Justice **Credits: 4**  
or JS 655 Convict Criminology **Credits: 4**
- CJ 612 Research in Criminal Justice **Credits: 4**
- CJ 619 Ethics and Leadership in Criminal Justice Organizations **Credits: 4**
- CJ 627 Quantitative Methods in Social Science **Credits: 4**
- JS 629 Social Movement and Community Organization **Credits: 4**
- JS 658 Justice and Social Theory **Credits: 4**
- JS 659 Social Problems **Credits: 4**

Total Credits: 28

### STEM Educational Leadership Certificate

#### Mission

Support the development of leaders in STEM education by promoting in-depth understanding of current STEM related standards, the need for access and equitable opportunities in STEM for all students, and instructional practices with a particular focus on research and evidence-based practices. Provides opportunities and experiences to gain advanced expertise and skills to be better equipped for greater effectiveness in their roles as leaders of STEM in educational

settings. Prepare educators to take their place at the table as a STEM educational leader and advocate.

#### Learning Outcomes

1. Deepen foundational knowledge of STEM policies and STEM pedagogical content knowledge expertise.
2. Develop STEM leaders who create, support and advocate for environments for STEM learning focusing on equity and opportunities for all.
3. Improve ability to use best practices in STEM professional development to enhance coaching and facilitation skills, and design innovative professional learning opportunities in STEM.
4. Exemplify professional leadership dispositions and reflective practice while contributing to the field of STEM education.

The STEM Educational Leadership Certificate is designed to promote the continued development and professional growth of prospective STEM education leaders. This certificate program is standalone or can be completed as part of the STEM Education, M.S.Ed. program.

#### Core Courses

- ED 609 Practicum **Credits: 1-15** Credits: 3
- ED 637 Inquiry Into Pedagogy **Credits: 3**
- ED 678 STEM Education For All **Credits: 3**
- ED 690 STEM Educational Leadership **Credits: 3**

#### Elective Credits: 6

Selection in consultation with STEM education advisor.

Total Credits: 18

### Writing Theory and Practice for In-Service Teachers Certificate

**Professors:** Rob Troyer, Katherine Schmidt  
**Associate professor:** Lars Soderlund  
**Assistant professor:** Damian Koshnick  
**Coordinator:** Leigh Graziano

#### Mission

This certificate program is designed for licensed middle and high school teachers, seeking to expand their expertise in writing instruction and/or prepare themselves to teach dual enrollment college-level writing courses. Students will study theories and best practices in the teaching of writing, learn new

## Academic Programs

and innovative ways to incorporate writing into their classrooms, and explore and reflect on their own practices as professional writers.

## Learning Outcomes

1. Analyze key theories from the field of Rhetoric and Composition and Linguistics guiding writing instruction.
2. Apply theories of writing instruction to the creation of pedagogical materials.
3. Engage in inquiry projects exploring varied aspects of writing instruction in the classroom.
4. Effectively instruct and guide students in college-level writing.
5. Reflect critically on your own practices as writers and teachers.

## Core Courses

- LING 550 Linguistic Analysis of Style and Genre **Credits: 4**
- WR 530 Teachers as Writers **Credits: 4**
- WR 540 Writing Theory and Pedagogy **Credits: 4**
- WR 596 Special Topics in Writing **Credits: 4**
- WR 600 Writing Portfolio Capstone **Credits: 2**

Total Credits: 18

## Graduate Endorsement

### English for Speakers of Other Languages (ESOL) Endorsement

**Coordinator:** Jessica Dougherty

## Mission

Prepare teachers to ensure that students succeed in all aspects of their schooling: academics, socialization, linguistic development, acculturation and physical and emotional health.

## Learning Outcomes

1. Prepare teachers to understand how first and second languages are acquired and developed and apply research-based teaching and assessment practices that address the needs of English language learners in a variety of school settings.

2. Prepare teachers to foster a classroom climate that is inclusive in all diversity and understand the influence of culture on students' learning process and academic achievement.
3. Prepare teachers who are knowledgeable about policies related to the education of English language learners and who collaborate with colleagues, administrators and families to meet their learners' needs.

As the demographics of the state change and the language minority population increases, teachers need to be prepared to educate culturally and linguistically diverse (CLD) students. Teachers with bilingual/ESOL education credentials are in high demand and are usually first to be hired by school districts with high CLD populations. This program prepares teachers to work effectively with CLD students in mainstream, sheltered bilingual and English Language Development (ELD) classrooms.

## Core Courses

Successful completion of ED 681, ED 682 and ED 683 strongly recommended for all other courses

- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- ED 682 Sociopolitical Foundations of ESOL/Bilingual Education **Credits: 3**
- ED 683 Fostering Cultural and Community Connections in the ESOL/Bilingual Classroom **Credits: 3**
- ED 684 Language Acquisition and Educational Linguistics in the ESOL/Bilingual Classroom **Credits: 3**
- ED 691 Curriculum, Instruction and Assessment Strategies for Emergent Bilinguals **Credits: 3**
- ED 692 English Language Development for ESOL and Bilingual Settings **Credits: 3**
- ED 609 Practicum **Credits: 1-15** Credits: 3\*  
Prerequisites for ED 609 are:
  1. Obtain passing score on the ESOL test.
  2. Complete at least 15 credits of coursework toward the ESOL endorsement. Students must apply to the director of clinical practice and licensure one term preceding the practicum.

Must be taken for a minimum of 3 credits.

Total Credits: 18-21

## Note:

For the ESOL endorsement, no second language is required.  
\*A candidate may request that the ESOL practicum be waived based on a minimum of one year of successful classroom

## Academic Programs

teaching (at least half time) in an identified ESOL setting. Please contact the ESOL coordinator to verify if you qualify for the ESOL practicum waiver option.

## Reading Endorsement

**Coordinator:** Chloë Hughes

### Mission

Prepare K-12 licensed teachers, with 3 or more years of practice, to become reading specialists or improve their knowledge and skills in teaching reading. All programs must be approved by the Coordinator of Reading. All Reading Endorsement students must successfully complete ED 655, ED 667, ED 668 and electives (or approved substitutions) before embarking on the Reading Endorsement practicum classes (ED 672, ED609, ED 609) unless approved by the Coordinator of Reading. In order to add the endorsement to their Oregon teaching license, students must also pass the PRAXIS Reading Specialist (5301) test.

### Learning Outcomes

1. Demonstrate advanced foundational knowledge of K-12 literacy development.
2. Demonstrate holistic pedagogical knowledge and practices for literacy instruction and intervention.
3. Develop the values and dispositions for literacy leadership.

Students seeking an endorsement in reading must complete or have completed requirements for a teaching license. Reading is regarded as a support area to the teacher's area of original licensure. Courses in this program will enhance and broaden reading specific knowledge and other responsibilities encountered by the classroom teacher, resource teacher and reading specialist. All candidates for this endorsement must pass the Praxis exam for Reading Specialist.

### Core Courses

All programs must be approved by the Coordinator of Reading. All courses must be successfully completed before practicum.

- ED 609 Practicum **Credits: 1-15** Credits: 6
- ED 655 Foundations of Literacy **Credits: 3**
- ED 667 Supporting Language and Literacy Development **Credits: 3**
- ED 668 Assessment & Reading Instruction **Credits: 3**
- ED 672 Literacy Leadership Practicum **Credits: 3**

### Elective Credits: 6

Consult with your adviser for other options.

- ED 628 Teaching Writing Across the Disciplines **Credits: 3**
- ED 680 Psychology of Reading Instruction **Credits: 3**
- ED 689 Contemporary Children's and Young Adult Literature in the Classroom **Credits: 3**
- ED 693 Teaching Reading Across the Disciplines **Credits: 3**

Total Credits: 24

## Special Educator I Endorsement

### Mission

To prepare teachers to work with students with mild, moderate, and/or severe disabilities. Candidates who successfully complete this program fulfill the requirements of the Teacher Standards and Practices Commission (TSPC) and are eligible for the addition of a special education endorsement in Oregon.

### Learning Outcomes

1. Effectively teach students who have a wide range of cognitive, physical, emotional and learning disabilities.
2. Understand current, credible research findings on disability, instruction, assessment and behavior management.
3. Provide enriched learning opportunities for students with disabilities in self-contained classrooms, resource rooms or general education classrooms.

The special educator program prepares teachers to work with students with mild, moderate and/or severe disabilities.

The Special Educator I endorsement program is designed for teachers who hold or are eligible to hold a valid initial teaching license.

### Core Courses

### Special Education Core Courses

Preparation Level: PK-12 (Elementary & Middle/High School)  
Preparation

- SPED 607 Seminar **Credits: 1-6** Credits: 3
- SPED 618 Introduction to Special Education **Credits: 3**
- SPED 622 Literacy Methods for the Diverse Learner **Credits: 3**
- SPED 623 Behavior Support **Credits: 3**
- SPED 625 Assessment for Instruction **Credits: 3**

## Academic Programs

- SPED 628 Math Methods for the Diverse Learner **Credits: 3**
- SPED 630 Instructional Methods for Learners with Extensive Support Needs **Credits: 3**
- SPED 642 Standardized Assessment **Credits: 3**
- SPED 646 Law and Special Education **Credits: 3**
- SPED 670 Collaboration: Supporting Exceptional Learners **Credits: 3**
- SPED 649 Clinical Experience III **Credits: 3**
- SPED 689 Clinical Experience IV **Credits: 3**

Total Credits: 36

### Note

May be completed as part of the Special Education, M.S.Ed.

## Graduate Specialization

### Dual Language Specialization

#### Mission

The dual language specialization program at Western Oregon University is a graduate-level program designed to support experienced educators in attaining deep theoretical knowledge and specific pedagogical skills to support the academic language development of emergent bilingual students in P-12 instructional contexts. The dual language specialization program is open to both practicing educators who wish to add the specialization to an existing Oregon teaching license as well as to current graduate students enrolled in an MS.Ed. and MAT programs in the College of Education who wish to add this area of expertise to their program of study. Upon completion of the specialization, participants will be prepared to deliver instruction that supports academic content knowledge within dual language settings.

The Dual Language Specialization requires 15 quarter hours consisting of five, three-credit courses that are taken sequentially and culminate in a field-based practicum. The five courses leading to the specialization address foundational knowledge of bilingualism (E.g. History of bilingual education and program models), theories of bilingualism, assessment, sociocultural influences on learning language, and instruction. At the core of the specialization is a commitment to developing reflective practitioners who analyze and critique their own beliefs, theories, and classroom practices to ensure they are meeting the academic needs of their emergent bilingual students. Courses will be taught by faculty whose expertise and scholarship focus on the teaching and learning of linguistically diverse students in P-12 dual language settings.

#### Learning Outcomes

1. Prepare teachers who understand how first and second languages are acquired and developed, and who apply research-based teaching and assessment practices that address the needs of English language learners in a variety of school settings.
2. Prepare teachers who foster a classroom climate that is inclusive of all diversity, and who understand the influence of culture on students' learning process and academic achievement.
3. Prepare teachers who are knowledgeable about policies related to the education of emergent bilingual students, and who collaborate with colleagues, administrators and families to meet their learners' needs.
4. Prepare teachers to work effectively with emergent bilingual students in dual language instructional settings.

## Core Courses

- ED 631 Classroom Strategies for Biliteracy Development **Credits: 3**
- ED 641 Theories of Bilingualism **Credits: 3**
- ED 644 Bilingualism in Socio-cultural Contexts **Credits: 3**
- ED 645 Instruction and Assessment in Dual Language/Bilingual Settings **Credits: 3**
- ED 647 Critical Inquiry and Reflective Practice for Dual Language/Bilingual Educators **Credits: 3**  
Note: *Includes 30 hours of field-based practicum hours.*

Total Credits: 15

### Elementary Mathematics Specialist (K-8) Specialization

**Coordinator:** Rachel Harrington

#### Mission

Elementary Mathematics Specialists will know and deeply understand the mathematics of elementary school, how mathematics concepts and skills develop through middle school, will have foundation in pedagogical content knowledge and will be prepared to take on collegial non-evaluative leadership roles within their schools and districts. They will have a broad view of many aspects and resources needed to support and facilitate effective instruction and professional growth.

#### Learning Outcomes

## Academic Programs

1. Demonstrate content knowledge for teaching mathematics.
2. Develop pedagogical knowledge for teaching mathematics.
3. Apply leadership knowledge and skills.

Upon completion of this program and recommendation to TSPC, Elementary Mathematic Specialists will be equipped with advanced and specialized content knowledge for the teaching of K-8 mathematics with particular emphasis on the teaching of the Common Core State Standards for Mathematics. They will demonstrate knowledge of a broad set of resources necessary to support mathematical instruction and professional growth.

Candidates will have the skills necessary to train, coach and lead other school personnel in effective mathematics instruction. Primary demonstration of leadership skills will be assessed in ED 673 Mathematics Leadership in K-8 Schools and ED 609 Practicum .

Candidates will complete a professional portfolio and upon exit, exhibit their professional skills and develop a plan for ongoing professional development. TSPC approval of the Mathematics Instructional Leader: PreK-8 Specialization further requires three complete years of teaching mathematics and a passing score on the commission-approved multiple subjects exam. See [graduate.wou.edu/elementary-math-specialization/](http://graduate.wou.edu/elementary-math-specialization/).

## Core Courses

- ED 609 Practicum **Credits: 1-15** Credits: 3
- ED 637 Inquiry Into Pedagogy **Credits: 3**
- ED 673 Mathematics Leadership in K-8 Schools **Credits: 3**
- MTH 611 Counting and Whole Number Operations: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 612 Fractions and Proportions: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 613 Geometry and Measurement: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 614 Statistics and Probability: K-8 Learning and Teacher Practices **Credits: 3**

## Choose One

- MTH 615 Patterns and Algebraic Thinking: K-8 Learning and Teacher Practices **Credits: 3**
- MTH 616 Algebra and Functions: K-8 Learning and Teacher Practices **Credits: 3**

Total Credits: 24

## Graduate Licensure

## Special Educator II License

### Mission

To prepare teachers to work with students with mild, moderate, and/or severe disabilities. Candidates who successfully complete this program fulfill the requirements of the Teacher Standards and Practices Commission (TSPC) and are eligible for initial teacher licensure or the addition of a special education endorsement in Oregon.

### Learning Outcomes

1. Effectively teach students who have a wide range of cognitive, physical, emotional and learning disabilities.
2. Understand current, credible research findings on disability, instruction, assessment and behavior management.
3. Provide enriched learning opportunities for students with disabilities in self-contained classrooms, resource rooms or general education classrooms.

The special educator program prepares teacher candidates to work with students with mild, moderate, and/or severe disabilities.

The Special Educator II license program is designed for teacher candidates who do not hold a teaching license.

## Core Courses

### Special Education Core Courses

Preparation Level: PK-12 (Elementary & Middle/High School)  
Preparation

- ED 681 Principles and Practices of ESOL and Bilingual Education **Credits: 3**
- SPED 607 Seminar **Credits: 1-6** Credits: 3
- SPED 617 Theory and Philosophy of Teaching Exceptional Learners **Credits: 3**
- SPED 618 Introduction to Special Education **Credits: 3**
- SPED 622 Literacy Methods for the Diverse Learner **Credits: 3**
- SPED 623 Behavior Support **Credits: 3**
- SPED 625 Assessment for Instruction **Credits: 3**
- SPED 628 Math Methods for the Diverse Learner **Credits: 3**
- SPED 630 Instructional Methods for Learners with Extensive Support Needs **Credits: 3**
- SPED 642 Standardized Assessment **Credits: 3**
- SPED 646 Law and Special Education **Credits: 3**

## Academic Programs

- SPED 670 Collaboration: Supporting Exceptional Learners **Credits: 3**
- SPED 647 Clinical Experience I **Credits: 3**
- SPED 648 Clinical Experience II **Credits: 3**
- SPED 649 Clinical Experience III **Credits: 3**
- SPED 689 Clinical Experience IV **Credits: 3**

Total Credits: 48

### Note

May be completed as part of the Special Education, M.S.Ed.



# Course Descriptions

## A 100 Art Topics: Various

An introduction to select themes, processes and concepts in art and visual literacy for non-art majors. Topics will rotate, providing specific focus on theory, experience with art mediums, or influences from the past on current practices and issues. May be repeated for up to 4 credits, if content is different.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## A 115 Beginning Design: Two-dimensional

Beginning theory and studio practice using the elements and principles of visual design to articulate visual ideas in the two-dimensional arts.

Introduction to theoretical concepts of color and application of color in the principles of design.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## A 116 Beginning Design: Three-dimensional

Beginning theory and studio practice using the elements and principles of visual design to articulate visual ideas in three-dimensional arts combined with an introduction to drawing systems which build skill development in describing three-dimensional space.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## A 120 Beginning Digital Art & Design

Introduction to art and visual communication using computers. Explores the impacts of visual design on meaning and expression. Students create art and design projects using industry-standard digital tools. Includes instruction in Adobe Creative

applications. Emphasizes design process and creative thinking.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## A 130 Beginning Drawing

Introduction to drawing and composition. Practice in the application of medium. Guidance in conveying the illusion of three-dimensions and two-dimensional expression. Student drawings will be based on direct observation as well as linear perspective theory.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## A 199 Special Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 204 Art History: Prehistoric through Late Antiquity

Historical survey of painting, sculpture and architecture in both the Western and non-Western traditions from the prehistoric era through the period of Late Antiquity.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## A 205 Art History: Middle Ages through Renaissance

Historical survey of painting, sculpture and architecture in both the Western and non-Western traditions from the early Middle Ages through the Renaissance.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## A 206 Art History: Baroque through Contemporary

Historical survey of painting, sculpture, architecture, photography, and new media in both the Western and non-Western traditions from the Baroque period through the contemporary era.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## A 210 Art For Health

Making art is shown to promote health for individuals and communities. This course explores established links between a variety of creative practices and their health benefits. Includes techniques for stress management through art making; journaling and assessment of art making activities and other habits; and goal setting for art making as a physical activity and a positive mental health behavior.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Health Promotion*

## A 220 Introduction to Typography

Project-oriented studio course introducing typographical forms and the role of type in visual design and communication. Learn typographic terminology and techniques for effective use of type. Create design projects in which aesthetic considerations and page structures support content.

**Credits: 4**

**Prerequisite:** *A 115 and A 130*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 230 Introduction to Life Drawing

Studio course to strengthen skills in drawing methods and techniques with particular focus on figure drawing.

# Course Descriptions

Introduction to a variety of drawing media and subjects.

**Credits: 4**

**Prerequisite:** A 115 and A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 250 Introduction to Ceramics

The study of three-dimensional form through hand-building and wheel-throwing techniques. Surface treatments and firing processes will be introduced in the course.

**Credits: 4**

**Prerequisite:** A 116 and A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 262 Digital Images & Photography I

Project-based course engages the critical role of digital images and photography in contemporary visual culture. Builds skills in creative process, composition, camera and software technique, conceptual development, and communication. Introduces theory.

**Credits: 4**

**Prerequisite:** A 115 or A 120 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 270 Introduction to Printmaking

An introductory course designed to acquaint students with one or more of the following printmaking processes: relief, intaglio, lithography, monoprints, screen printing.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 280 Introduction to Painting

An introduction to the formal and technical aspects of oil painting. Color theory applied to color mixing in oils, paint application, composition and studio practices will be emphasized. A survey of selected painting traditions will build visual vocabulary

**Credits: 4**

**Prerequisite:** A 115 and A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 290 Introduction to Sculpture

Introductory studio course practicing traditional and modern sculptural techniques in the creation of three-dimensional art forms with introduction and practice of hand and power tools used in the sculptor's studio.

Composition and safety practices are emphasized. Medium emphasis: wood.

**Credits: 4**

**Prerequisite:** A 116 and A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 304 History of Modern Art, 1789-1914

Advanced survey of the history of modern art, covering the major artistic movements and artists in Europe and the United States from the French Revolution to the eve of World War I. From Neoclassicism to Cubism.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 305 History of Modern Art, 1914-1965

Advanced survey of the history of modern art, covering the major artistic movements and artists in Europe and the United States from World War I to the mid-1960's. From Dada to Abstract Expressionism.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 306 History of Modern Art, 1965-Present

Advanced survey of the history of modern art, covering the major artistic movements and artists in Europe and the United States from the mid-1960s to the present day. From Pop Art to Contemporary Art.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 308 History of Graphic Design

A historical examination of visual communication, this course highlights key graphic designers and relevant artistic, cultural, and technological context. Through lectures, studio projects, presentations, discussions, and readings, emphasis is placed on the relationship between historical design trends and contemporary design practice and ideology.

**Credits: 4**

**Prerequisite:** A 115 or A 120 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 311 Creativity and Idea Generation

This course explores creative thinking processes and idea generation methods that can be applied to virtually any major or career path. We begin with the premise that creative thinking is not fixed, but is achievable by anyone with practice and effort. Hands-on studio art activities will teach methods to overcome creative barriers and encourage learning through risk-taking, failure, and play. Students will gain the tools and mindset to develop new ideas, break old patterns, and unlock their creative potential.

**Credits: 4**

**Prerequisite:** A 115 or A 116 or A 120 or A 130 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## A 314 Intermediate 2D Design International

Intermediate study of design theory with studio practice for international students. Students will practice articulating art and design vocabulary and will demonstrate understanding of how the elements and principles of design can be used to visually communicate ideas. Emphasis on learning about studio practice in the United States, and preparing for success in the art and design program.

**Credits: 4**

# Course Descriptions

**Prerequisite:** *Consent of instructor*  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 315 Intermediate Design: Two-Dimensional

Advanced study of design theory with studio practice. Emphasis on two-dimensional exploration including theories of visual perception and color, content, and formal analysis.

**Credits: 4**

**Prerequisite:** A 115, A 120, A 130 and one of the following: A 220, A 230, A 250, A 262, A 270, A 280 or A 290

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 316 Intermediate Design: Three-Dimensional

Advanced study of design theory with studio practice. Emphasis on three-dimensional exploration. Self-exploration and an examination of other 3-D artists and their work are investigated through readings, discussion and writing opportunities.

**Credits: 4**

**Prerequisite:** A 115, A 116, A 130 and one of the following: A 220, A 230, A 250, A 262, A 270, A 280 or A 290

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 318 Gallery Internship

Introduction to matting, framing and hanging artwork. Professional ethics, visual artists' legal rights and responsibilities, artwork documentation and gallery exhibition will be covered. Practical work hours contracted for each student in on- or off-campus exhibit spaces; number of gallery work hours required dependent upon the amount of credits taken in a single term. Gives students practical experience necessary for gallery related employment.

May be repeated for credit.

**Credits: 1-2**

**Prerequisite:** A 115 and upper division standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 320 Graphic Design: Process & Theory

Exploration of visual communication methods and approaches to help students bring together message, meaning, and form. Employ type and layout principles, image-making concepts, and design processes in visual/verbal communications with multiple media outcomes

**Credits: 4**

**Prerequisite:** A 115, A 220 (may be taken concurrently) and A 262

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 321 Graphic Design: Form and Communication

Continue work with images, symbols, and their operation in applied print design problems. Consider messages and audience to understand how to position visual communications.

Design for multiple page communications using typographic structures, rhythm, and visual flow.

**Credits: 4**

**Prerequisite:** A 220 (may be taken concurrently with A 321)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 322 Graphic Design: Contemporary Issues

Exploration of professional design issues, including creating visual and verbal systems for a project with multiple presentation outcomes, executing projects professionally as a team, designing appropriately for audience and client, awareness and presentation of your role in the design process and your contribution to the design solution.

**Credits: 4**

**Prerequisite:** A 120

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 323 Art & Design for the Internet

In this studio course, students create work for web browsers and mobile devices. Focuses on graphic design, interactivity, user experience, images,

typography, and digital media content. Builds practical skills, creative thinking, and critical perspectives. Includes readings & discussion of the impacts of social media and the internet through the lens of feminism and race.

**Credits: 4**

**Prerequisite:** A 120 and A 220

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 324 Interactive Media: Applied

Students design digital interactive communications and hypermedia art considering an expanding range of concepts, strategies, devices, and media. Includes software instruction and experience with technology connected to course goals. Primarily Internet-related.

**Credits: 4**

**Prerequisite:** A 320 and A 323

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 326 Video & Animation I

Students create video and animation projects. Course emphasizes design process, conceptual development, critical thinking, cinematography, editing, sound, motion graphics and visual effects. Engages communication through narrative storytelling as well as experimental practices. Builds skills with equipment and software.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 327 Video & Animation II

Continues creative work in video and animation. Emphasizes design process, critical thinking, communication, and experimentation. Engages a variety of techniques and genres. Develops skills with technology and strategies for lifelong learning.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 329 Graphic Design: Systems & Techniques

Advanced print design problems with

# Course Descriptions

focus on prepress, production methods, packaging, and identity systems. Work with professional design issues including creating visual and verbal systems for a project with multiple presentation outcomes, executing projects professionally, preparing projects to go to press, designing appropriately for audience and client, the designer's role in these relationships.

**Credits: 4**

**Prerequisite:** A 320

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 330 Drawing: Explorations

A continuation of drawing practice and technique. Traditional and contemporary drawing methods and concepts will be covered including: figure drawing, observational drawing, conceptual expression, abstraction, contemporary practices and issues. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130 and A 230

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 331 Drawing: as Communication

Examines drawing as language for visual communication. Traditional and contemporary drawing methods and concepts will be covered including: figure drawing, observational drawing, conceptual expression, abstraction, contemporary practices and issues. Research projects and/or presentations.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130 and A 230

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 350 Ceramics: Methodologies

Part of a series of intermediate-level ceramic studio experiences, this course focuses on hand-building methods of ceramic techniques that includes relief-carving, large-scale ceramics and the human form in clay, as well as surface treatment research in low firing techniques.

May be repeated for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 351 Ceramics: Construction and Process

Part of a series of intermediate-level ceramic studio experiences this course focuses on hand-building methods of ceramic techniques that includes tile-making and mold-making as well as surface treatment research in mid-range firing techniques.

May be repeated for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 352 Ceramics: Form and Function

Part of a series of intermediate-level ceramic studio experiences, this course focuses on hand-building methods of ceramic techniques that includes architectural ceramics and the vessel as sculptural reference as well as surface treatment research in high-fire kiln techniques.

May be repeated for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 370 Printmaking: Simple Intaglio

Part of a 6-term cycle of printmaking studio experiences. This term focuses on intaglio printmaking techniques that do not require etching baths such as collagraph, drypoint and photopolymer plates. May include research projects and/or student presentations.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 371 Screen Printing

Part of a 6-term cycle of printmaking studio experiences. This term focuses on screen printing techniques such as paper stencil, photo emulsion and screen filler stencils. May include

research projects and/or student presentations.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 372 Relief Printmaking

Part of a 6-term cycle of printmaking studio experiences. This term focuses on relief printing techniques (e.g. woodcut, linoleum, engraving, collagraphs, photopolymer plates). May include multi-plate color printing techniques, research projects and/or student presentations.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 380 Painting: from Observation

Examines painting as language for visual communication. Strengthens skills in oil painting and focuses on color and composition theory and observational color studies.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 381 Painting: Mixed Media

Examines painting as language for visual communication. Explores contemporary techniques and practices and focuses on color and composition theory.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 382 Painting: Watercolor

Examines painting as language for visual communication. Explores contemporary techniques and

# Course Descriptions

practices using water media and focuses on color and composition theory.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 383 Illustration: Technique & Narrative

Studio course exploring traditional and contemporary illustration tools and techniques. Students will develop ideas and explore appropriate media and imagery to communicate narrative. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130 and one of the following: A 220, A 230, A 262, A 270 or A 280

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 390 Sculpture: Techniques and Methods

Part of a series of intermediate level Sculpture studio experiences. This term focuses on the fundamental processes, techniques and methods used in sculpture. Students are expected to expand greater proficiency in the use of hand tools and some power tools.

May be repeated for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 391 Sculpture: Material Exploration

Part of a series of intermediate level Sculpture studio experiences, this term focuses on exploring the relationships of ideas to materials and construction techniques. Students will be encouraged to increase creative freedom and develop artistic research by an expanded knowledge of materials.

May be repeated for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 392 Sculpture: Conceptual Development

Part of a series of intermediate level Sculpture studio experiences. This term focuses on exploring concept based on learning through visual problem solving, built upon the knowledge and techniques in a variety of sculpture materials.

May be repeated for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 399 Special Studies

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-5**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 404 Art History: Non-Western Art

An introductory study of visual expression in cultural contexts that are representative of non-Western traditions.

May be repeated for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 405 Art History: Gender in Art

A study of gender as subject, and a study of gender issues for artists in the history of Western art from the Renaissance to the present. Aesthetic social discourse as it relates to changing perspectives on the role of gender in art will be examined.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 406 Art History: Special Topics

A course in art history offering the student the possibility to develop an in-depth study in a specialized area of art history.

May be repeated for up to 16 credits.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 410 Critique & Seminar

Interdisciplinary critique and discussion course. This course provides a forum for discussing contemporary studio practice, methods and ideas. Cross-departmental critique and discussion will address issues of context, audience, and methods relating to contemporary practice and individual expression.

May be repeated for up to 6 credits. Up to 6 credits may be applied towards BFA. Up to 2 credits may be applied towards Art & Design Major.

**Credits: 2**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 411 Workshop

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 412 Practicum

Practical work experience credit that may be applied toward a degree in the art department. For B.F.A. credit, the practicum should take place off-campus in an arts or cultural organization. Examples include (but not limited to) the Oregon Arts Commission, Oregon Cultural Trust and the Salem Art Association. Students will be contracted for 30 hours per credit. The student will perform duties outlined by the workplace mentor or supervisor to complete an assigned task or project. May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-6**

**Prerequisite:** *Upper division standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 413 International Studio Art Study

Studio art coursework related to B.F.A. thesis project discipline area, taken at an accredited institution of higher

# Course Descriptions

education outside the United States.  
Eligible for the RP grade option.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 419 Professional Concerns

A survey of professional practice in the visual arts. Career preparation for positions in the arts, business practices, and portfolio development for presentation. Capstone art experience includes written materials specific to the art profession and an oral presentation of each student's artwork.

**Credits: 4**

**Prerequisite:** A 120, and senior standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 421 Type Design: Structural and Expressive

Advanced issues related to typography, grid structures, image, and audience. Emphasis on investigating and interpretation of the expressive possibilities of typography, focusing on processes, personal responses, and emotive results.

**Credits: 4**

**Prerequisite:** A 220

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 422 Advanced Topics in Graphic Design & Communication

Exploration of multidisciplinary design problems which may include research, product design, exhibition design, and more. Supports professional development by enhancing students' conceptual problem-solving skills and technical proficiency while also building awareness of current designers and career paths for graphic designers today.

May be repeated once for credit.

**Credits: 4**

**Prerequisite:** A 321

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 425 Interactive Media: Contemporary Issues

Course examines special topics at the intersection of art, design, and technology. Students create interactive digital communications and art. Includes software instruction and experience with technology connected to course goals.

May be repeated for credit with instructor approval.

**Credits: 4**

**Prerequisite:** A 321 and A 324

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 429 Portfolio & Professional Preparation

Preparation for professional practice in visual communication design. Career strategies, professional ethics, business practices, and preparation for portfolio presentation. Capstone experience for visual communication design students includes oral presentation of each student's portfolio.

**Credits: 4**

**Prerequisite:** A 322 or A 324 or A 327 and upper division standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 430 Digital Drawing from Observation

A studio course focusing on digital drawing from direct observation. Topics may include: still life studies, linear perspective theory, figure drawing, landscapes, simple animation, color, abstraction. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130 and A 230

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 434 Advanced Life Drawing

Students in A434: Advanced Life Drawing will build on the skills developed during A230: Introduction to life drawing. The majority of the course focuses on drawing the nude from direct observation, but class meetings

will also include demonstrations, anatomy workshops, group critiques, and regular presentations of images to introduce and reinforce concepts. Students in A434 will study anatomy in greater detail than the previous course, and will have the opportunity to pursue more self-directed work.

**Credits: 4**

**Prerequisite:** A 130 and A 230

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 445 B.F.A. Thesis Project: Visual Communication Design

Advanced research, concept development and art/design production in visual communication design disciplines. Course requirements are contracted with the instructor.

May be repeated three times to fulfill B.F.A. requirements.

**Credits: 4**

**Prerequisite:** Acceptance to the B.F.A. program and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 450 Ceramics: Visual Exploration

Part of a series of three advanced-level ceramic studio experiences. This course focuses on advanced ceramic techniques plus clay formulation and individualized professional research. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 116 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 451 Ceramics: Formulation of Components, Relationships and Structures

Part of a series of three advanced-level ceramic studio experiences. This course focuses on advanced ceramic techniques plus glaze calculation and individualized presentation of research.

May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 116 or consent of instructor

**Satisfactory Grading:** Eligible for the

# Course Descriptions

Satisfactory/No Credit grade mode.

## A 452 Ceramics: Expanding Practices

Part of a series of three advanced-level ceramic studio experiences. This course focuses on advanced ceramic techniques plus specialized firing and professional presentation of work. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 116 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 455 B.F.A. Thesis Project: Ceramics

Advanced research, concept development and art production in ceramics. Course requirements are contracted with the instructor. May be repeated three times to fulfill B.F.A. requirements.

**Credits: 4**

**Prerequisite:** Acceptance to the B.F.A. program and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 462 Digital Images & Photography II

Course relates the symbolic systems of text and pictures through creative practice. Students engage special topics in photographic techniques, digital image creation and manipulation, video, and writing. Emphasizes conceptual practices and the social contexts of images.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 468 Art & Technology Workshop

Project-based course for advanced students of Art & Design. Explores evolving concepts and techniques for creative work using technology. Develops critical perspectives and contemporary skills. Topics vary.

May be repeated for up to 12 credits.

**Credits: 4**

**Prerequisite:** Minimum of 12 credits in upper division Art & Design courses, or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 470 Printmaking: Etching

Part of a 6-term cycle of printmaking studio experiences. This term focuses on copper etching intaglio techniques such as line etching, soft ground and aquatint. May include research projects and/or student presentations. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 471 Printmaking: Lithography

Part of a 6-term cycle of printmaking studio experiences. This term focuses on lithographic techniques such as direct drawing and photo transfer methods. May include research projects and/or student presentations. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 472 Printmaking: Monoprints

Part of a 6-term cycle of printmaking studio experiences. This term focuses on monoprint techniques. Students will combine a range of printmaking techniques to create a related series of colorful, one-of-a-kind images. May include research projects and/or student presentations. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 115 or A 130

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 475 B.F.A. Thesis Project: Printmaking

Advanced research, concept development and art production in printmaking. Course requirements are

contracted with the instructor.

May be repeated three times to fulfill B.F.A. requirements.

**Credits: 4**

**Prerequisite:** Acceptance to the B.F.A. program and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 480 Painting: Figure

Examines painting as language for visual communication. Focus on the form and structure of the human figure. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 230, and A 280 or A 380

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 481 Painting: Methods of the Masters

Examines painting as language for visual communication. Focus on color and composition studies, contemporary methods and concepts, and individual artistic expression. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 130 and either A 280 or A 380

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 482 Painting: Contemporary Issues

Examines painting as language for visual communication. Focus on contemporary methods and concepts and individual artistic expression and portfolio development. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 280 or A 380 or A 381 or A 382 or A 480

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 483 Digital Illustration

Studio course focusing on contemporary illustration tools and techniques, including digital media. Students will develop ideas and

# Course Descriptions

explore appropriate media and imagery to communicate narrative. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 120 and A 130 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** Science, Technology, and Society

## A 485 B.F.A. Thesis Project: Painting

Advanced research, concept development and art production in painting. Course requirements are contracted with the instructor. May be repeated three times to fulfill B.F.A. requirements.

**Credits: 4**

**Prerequisite:** Acceptance to the B.F.A. program and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 490 Sculpture: Spatial Relations

Part of a series of Advanced level Sculpture studio experiences. This term focuses on creating a spatial experience within the objects. Students are encouraged to explore beyond traditional art exhibition sites in order to understand how the artist defines, uses, occupies, and interpret the space when making a three-dimensional work of art or performance. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 116 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 491 Sculpture: Fabrication

Part of a series of Advanced level Sculpture studio experiences. This term focuses on finding or inventing new ways of working or fastening materials and objects toward developing a more sophisticated body of work through more specific investigation and research. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 116 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 492 Sculpture: Contemporary Issues

Part of a series of Advanced level Sculpture studio experiences, this term focuses on expanding on traditional sculptural practices students will embrace new techniques and media. Students are allowed to develop work that engages in the temporal, spatial, and contextual parameters of sculpture based upon research practice. May be repeated for credit.

**Credits: 4**

**Prerequisite:** A 116 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 495 B.F.A. Thesis Project: Sculpture

Advanced research, concept development and art production in sculpture. Course requirements are contracted with the instructor. May be repeated three times to fulfill B.F.A. requirements.

**Credits: 4**

**Prerequisite:** Acceptance to the B.F.A. program and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 499 Special Individual Studies

Special individual studies are student-driven projects that fall outside the scope of normal coursework. Offered only by Individualized Course Form with a faculty member. May be repeated for up to 12 credits.

**Credits: 1-5**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## A 603 Thesis or Field Study

A culminating experience for the degree candidate consisting of a practical application of his/her

graduate studies to his/her professional needs. This culmination might result in a field study project related to improving the quality of art education in his school, an experimental study, an historical study or other type of in-depth study which meets the candidate's specific objectives.

Eligible for the RP grade option.

**Credits: 6**

## A 604 Graduate Art History

Graduate level investigation in selected areas of art history. May be repeated for credit.

**Credits: 3**

**Prerequisite:** Admitted post-baccalaureate standing and consent of instructor

## A 610 Graduate Seminar

Research exploration of specialized topics. Terms and hours to be arranged.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** Admitted post-baccalaureate standing and consent of instructor

## A 611 Graduate Workshop

Studio exploration of specialized or interdisciplinary media topics in a group setting. Terms and hours to be arranged.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** Admitted post-baccalaureate standing and consent of instructor

## A 615 Graduate Design: Two-Dimensional

Advanced study of design theory with studio practice in the two-dimensional art form.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** Admitted post-baccalaureate standing and consent of instructor



# Course Descriptions

## A 616 Graduate Design: Three-Dimensional

Advanced study of design theory with studio practice in the three-dimensional art form.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 620 Graduate Graphic Design

Graduate level study and studio work in typography and visual communications.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 630 Graduate Drawing

Advanced study and studio production of drawing as a visually expressive form.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 635 Graduate Life Drawing

Advanced study and studio production of figurative drawing as a visually expressive form.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 655 Graduate Ceramics

Graduate study in ceramic art. Individual projects in selected ceramic areas. Graduate research and paper related to projects.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 670 Graduate Printmaking

Advanced study and studio production of prints as a personally expressive visual form.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 676 Aesthetic Foundations of Visual Arts

A study and analysis of philosophic aspects of the visual arts.

**Credits: 3**

## A 677 Contemporary Problems in Visual Art

A course designed to offer critical examination of art in society, creativity, brain research, the computer and other selected areas.

**Credits: 3**

## A 680 Graduate Painting

Advanced study and studio production of painting.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 690 Graduate Sculpture

Advanced study of sculpture with studio work in three-dimensional art forms.

May be repeated for credit.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing and consent of instructor*

## A 699 Special Individual Studies: Graduate

Terms and hours to be arranged.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *Admitted post-baccalaureate standing*

## ANTH 199 Special Studies

May be repeated for up to 16 credits.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 213 Language and Culture

Introduction to the anthropological study of language and communicative behavior. Examines basic concepts underlying linguistic analysis and reviews anthropological studies of conversational practice and social variation in language and speech. Part of introductory sequence (ANTH 213, ANTH 214, ANTH 215 and ANTH 216) which may be taken in any order.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ANTH 214 Physical Anthropology

Biological aspects of the human experience, especially interactions between biology and culture. A review of the modern synthetic theory of evolution; fossil evidence of early primate and hominid populations; the mechanisms of heredity, human variation and adaptation; and the development of culture in human evolution. Part of introductory sequence (ANTH 213, 214, ANTH 215 and ANTH 216) which may be taken in any order.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ANTH 215 Archaeology

Understanding the human past through the study of material remains. A review of the methods used to collect and analyze data and the theories used to construct chronologies, reconstruct ancient life styles and explain the processes of cultural evolution. Part of introductory sequence (ANTH 213, ANTH 214, 215 and ANTH 216) which may be taken in

# Course Descriptions

any order.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ANTH 216 Cultural Anthropology

Examines the concepts and methodology of cultural anthropology through ethnographic case studies of people around the world. Focuses on culture or the learned beliefs, behaviors and symbols unique to each society. Part of introductory sequence (ANTH 213, ANTH 214, ANTH 215 and ANTH 216) which may be taken in any order.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ANTH 310 World Prehistory

A survey of human cultural evolution worldwide over the past 4 million years up to the beginnings of written records. Examines archaeological evidence for the invention of language and art, the evolution of technology, the peopling of the New World, the invention of agriculture and the origins of cities.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 311 Human Evolution

The genetic basis of human evolution, human variation and modern human adaptive differences; the biological basis of human culture and the impact of culture on human biology.

**Credits: 4**

**Prerequisite:** ANTH 214

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 313 North American Prehistory

A survey of the prehistory of the North American continent from the first peopling of the Western Hemisphere through the beginnings of

regionalization, the origins of agriculture and village life and the development of complex societies.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 322 Forensic Anthropology

Examines the role of the forensic anthropologist and history of the discipline. Students become familiar with the goals, techniques and broader applications of forensic anthropology. Meets for four hours per week following an integrated lecture-lab format with 40% of the scheduled class time dedicated to experiential lab-oriented exercises.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## ANTH 324 Anthropological Theory

Examines several core questions that have guided anthropologists in their study of diverse peoples. Outlines key theoretical approaches that characterize anthropology as a distinct social science.

**Credits: 4**

**Prerequisite:** ANTH 216

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 325 Ethnographic Methods

Prepares students to conduct anthropological research in both American and non-Western settings. Teaches students an array of anthropological research methods.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ANTH 326 Ethnographic Writing

Examines how anthropologists organize their field data into ethnographic texts. Students read and critique a variety of anthropological

works and genres.

**Credits: 4**

**Prerequisite:** ANTH 216

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 328 Forensic Osteology

Hands-on experience in identification of complete and fragmentary human skeletal and dental remains. Topics will also include growth and development of osseous and dental structures, variation in osseous tissues and modification of these tissues through traumatic, pathologic and taphonomic factors.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ANTH 329 Archaeological Resources: Policies and Procedures

Traces the history of federal and local historic preservation/cultural resource management legislation and regulations. Topics include the merging of archaeology with historic preservation, how laws are made, how archaeological resources are protected on public land and political issues involving Native American concerns.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 332 Latin America

Introduction to major aspects of Latin American cultures. Concentrates on issues of cultural contact, conflict and accommodation by examining racial, ethnic, national and gender identities, religion, the environment, human rights and globalization.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 333 Forensic DNA Analysis

Introduction to DNA analysis methods, historically and in current forensic science testing and forensic anthropology research. Genetics, inheritance, DNA biochemistry are

# Course Descriptions

discussed and applied.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 350 Research Methods in Archaeology

A survey of techniques and methods used in archaeology, including research design, survey, sampling strategies, excavation methods, laboratory analysis and interpretation. Practical aspects of data recording and reporting, including computer applications.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 352 Laboratory Methods in Archaeology

Techniques and their applications in the analysis of materials recovered from archaeological sites. Emphasis will vary according to ongoing research.

**Credits: 4**

**Prerequisite:** *ANTH 215 and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 360 Museum Studies

Covers principles and practices of museum work. Topics include the role of museums in the community, collections management, conservation of objects and artifacts, program development, exhibit development, marketing and fundraising.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 369 Evolution of Ethnographic Film

Examines the place of the visual in anthropological analysis. Introduces some of the techniques and theories used to analyze visual images. Students investigate aspects of visual anthropology through readings, discussions, independent research and projects.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## ANTH 370 Women Hold Up Half the Sky

Similarities and differences in women's lives in a variety of cultures around the world. Evolutionary and historical precedents for contemporary patterns of gender role construction; economic, social and ideological challenges to women seeking change in existing gender hierarchies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 372 Social Constructions of Race

Critical perspective on racial/ethnic categorizations. Through lectures, discussions, readings and films, students become acquainted with the social, cultural, historical and evolutionary context of modern human diversity.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 374 Cultures of South Asia

Course introduces the societies and cultures of South Asia, forces shaping contemporary life, and core themes in the anthropological literature. Topics include caste and hierarchy, colonialism and postcolonial politics, religion, nationalism, violence and peace, international development and bureaucracy, and globalization. Introduction to Cultural Anthropology or Introduction to Linguistic Anthropology strongly recommended.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 376 Cultures of South Asia

Samples the rich anthropological literature on the cultures of South Asia, with an emphasis on ethnographic works as well as fiction, film and other media. Students gain familiarity with a range of social contexts and issues along with the major concepts and debates in the anthropological study of the region.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 380 Africa

Survey of African societies that compares classic and contemporary anthropological texts. The goal is to come to an anthropological understanding of how political, economic, historical and cultural factors shape contemporary African societies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 381 African Film & Society

Introduction to nations, cultures, social issues and artistic achievements of sub-Saharan Africa through the medium of feature film. Students watch, discuss and review a series of full length films made in Africa by Africans.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 384 Modernization

Examines anthropological case studies of social change in diverse contemporary settings. It asks how individuals and groups confront modernity while maintaining elements of their traditional cultures. Examines insider accounts of global economic

# Course Descriptions

and policy changes.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 386 Anthropology of Muslim Societies

Introduction to the anthropology of Muslim societies through a series of ethnographic readings. Explores the diversity of Islamic thought and practice. Key themes include ritual and everyday life, gender and popular culture, and Islamic fundamentalism and modernity.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 388 Transnational Migration

Examines the social and cultural aspects of transnational migration through ethnographic readings of migration in various parts of the world. Covers key theoretical issues pertaining to identity, locality and the economics of migration.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 390 Development and Humanitarianism

Course explores the history of international development aid, major critiques of development, and ethnographic accounts of development encounters. We also examine the politics of humanitarian aid, from the creation of crises to problematic applications of the idea of 'humanity.' Introduction to Cultural Anthropology or Introduction to Linguistic Anthropology strongly recommended.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 392 Applied Anthropology

Applies insights from cultural anthropology to contemporary social issues. Explores diverse frameworks for approaching solutions to real-world problems and reviews ethical, methodological and career-track issues specific to applied anthropology.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 395 Medical Anthropology

Introduction to medical anthropology, analysis of health in the context of culture, social behavior, economic systems and human biology. Designed to expose nursing and health students to cross-cultural understanding of illness and health.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## ANTH 396 Environmental Anthropology

Explores relationships between culture, society and the environment across the globe and through time using anthropological concepts and methods.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ANTH 399 Special Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 406 Special Individual Studies

Designed for individual or specialized

research and study in a defined area of interest under the guidance of a designated faculty mentor.

May be repeated for up to 16 credits.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 408 Workshop

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-16**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 409 Practicum

May be repeated for up to 16 credits.

**Credits: 4-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 410 Research Design

Students identify and design an internship or field experience that will be written up as the Senior Project. In consultation with an adviser, students independently read background materials while they write a theoretically grounded research proposal.

**Credits: 4**

**Prerequisite:** *Anthropology major and junior standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 411 Fieldwork

Individual research, volunteer work, internship, employment or other practical experience designed to use and challenge the student's anthropological knowledge. Consultation with anthropology faculty in advance and during the field experience is required. Planning takes place in ANTH 410 Research

# Course Descriptions

Design and a formal paper that analyzes the experience and summarizes outcomes is produced in ANTH 412 Senior Thesis. Eligible for the RP grade option.

**Credits: 4-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 412 Senior Thesis

Provides guidance in producing a written account of the anthropology major's field experience in ANTH 411. Eligible for the RP grade option.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 413 Field Experience

Working closely with an adviser, the student plans either an internship equivalent to at least 20 hours per week during 10 weeks or a study abroad term of at least eight weeks. Internship must have an applied anthropology focus; study abroad must provide a cross-cultural experience. A mid-term progress report and an end-term final report are required. Eligible for the RP grade option.

**Credits: 4**

**Prerequisite:** *Anthropology major and junior standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 432 Human Rights

Addresses anthropology's engagement with human rights through case studies of slavery, political violence and public health. Suggests ways in which the work of anthropological research may serve as witness and advocate for human rights.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 441 Forensic Archaeology and Taphonomy

Introduction to forensic archaeology or the application of archaeological methods to the resolution of medicolegal issues. Students learn and apply search and recovery

techniques. Students are introduced to forensic taphonomy or the subfield of forensic anthropology that examines how taphonomic forces have altered evidence subject to medicolegal investigation.

**Credits: 4**

**Prerequisite:** *ANTH 322 and CJ 328*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 442 Readings in Forensic Anthropology

Individualized course designed to meet the student's special interests in an area of forensic anthropology. Students will be assigned readings but also conduct literary research and present on a variety of special topics within forensic anthropology, ranging from the latest techniques in the analysis and interpretation of bones to role of the forensic anthropologist in the mass fatality incidents.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 443 Advanced Forensic Anthropology

Forensic anthropology is the application of the techniques of biological anthropology to human skeletal remains of forensic significance. In this course we delve deeper into the methods used in forensic anthropology, and the biological, historical, and methodological theory behind their development. Students will gain practical hands-on experience working with human skeletal materials through analysis and present their findings. Topics may vary but include the history of forensic anthropology as a discipline, forensic search and recovery, taphonomy, and further estimation of age, sex, stature, and ancestry from skeletal remains.

**Credits: 4**

**Prerequisite:** *ANTH 322 or CJ 322*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 450 Field Methods in Archaeology

Basic archaeological survey and excavation skills will be developed through participation in field research at an archaeological site.

**Credits: 12**

**Prerequisite:** *ANTH 215 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 455 Evolution of the Human Diet

Examines food ways across time and space, from a holistic perspective. Will discuss how biology and culture have interacted throughout our evolution forming biocultural interface with our food ways, the meanings and values associated with food structure identity and our relationships with natural and social environments.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 461 Urban Anthropology

Understanding the origin and evolution of cities. The application of cross-cultural perspectives to the social organization of urban life.

**Credits: 4**

**Prerequisite:** *ANTH 216 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 476 Religion and Ritual

Examines the religious rituals of diverse peoples living in various parts of the world. Outlines anthropological approaches to religion, while focusing on particular topics. Examines links between religion, magic, witchcraft and sorcery.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ANTH 480 History and Theory of Archaeology

The development of modern archaeological science from beginnings in the 18th century through the emergence of contemporary theories of cultural evolution; current

# Course Descriptions

issues including ethics, feminist critiques and post-processual paradigms.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ANTH 482 Historical Archaeology**

Survey of the global and interdisciplinary field within archaeology that specializes in the interpretation of the recent past. Methods of archival research and material culture interpretation are reviewed.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ANTH 494 Northwest Native Nations**

A survey of indigenous peoples of Northwestern North America, including the Northwest Coast, the Columbia-Fraser Plateau and the Great Basin. Emphasis on adaptation to particular environments and interactions with other cultures in both pre- and post-contact periods.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## **ANTH 496 Indian America**

An anthropological perspective on the historical and social processes of contact and acculturation between indigenous peoples of North America and Old World immigrants in the historic period.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ANTH 561 Urban Anthropology**

Understanding the origin and evolution of cities. The application of cross-cultural perspectives to the social organization of urban life.

**Credits: 4**

**Prerequisite:** *ANTH 216 or consent of instructor*

## **ANTH 576 Religion and Ritual**

Examines the religious rituals of diverse peoples living in various parts of the world. Outlines anthropological approaches to religion, while focusing on particular topics. Examines links between religion, magic, witchcraft and sorcery.

**Credits: 4**

## **ANTH 580 History and Theory of Archaeology**

The development of modern archaeological science from beginnings in the 18th century through the emergence of contemporary theories of cultural evolution; current issues including ethics, feminist critiques and post-processual paradigms.

**Credits: 4**

## **ANTH 582 Historical Archaeology**

Survey of the global and interdisciplinary field within archaeology that specializes in the interpretation of the recent past. Methods of archival research and material culture interpretation are reviewed.

**Credits: 4**

## **ANTH 596 Indian America**

An anthropological perspective on the historical and social processes of contact and acculturation between indigenous peoples of North America and Old World immigrants in the historic period.

**Credits: 4**

## **ARE 414 Art & Design Education Seminar**

Provides students in the Art & Design Education concentration with a structured forum for reflecting upon the classroom observation experiences required by the Pre-Education pathway. Provides strategies and training specific to practical considerations that K-12 art and design educators face. To be

taken concurrently with required classroom teaching observation experiences. May be repeated for up to 4 credits.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ARE 433 Art Education**

Introduction to teaching art in the classroom for prospective elementary and middle school teachers. Explores art production, aesthetics and criticism, with historical and cultural perspectives.

**Credits: 3**

**Prerequisite:** *Junior standing.*

*Students are encouraged to take any&nbsp;Art & Design studio course prior to ARE 433, but not required.*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ARE 434 Historical and Cultural Perspectives in the Visual Arts**

Developing advanced level lessons in art built upon the lives and works of fine, applied and folk artists, with a multicultural perspective and interdisciplinary approach.

**Credits: 3**

**Prerequisite:** *Upper division or graduate standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ARE 490 Art in the Elementary School**

Designed to provide additional art experiences in the philosophy, materials and techniques of the visual arts for teachers and administrators.

**Credits: 3**

**Prerequisite:** *Upper division or graduate standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **ARE 534 Historical and Cultural Perspectives in the Visual Arts**

Developing advanced level lessons in art built upon the lives and works of fine, applied and folk artists, with a multicultural perspective and

# Course Descriptions

interdisciplinary approach.

**Credits: 3**

**Prerequisite:** *Upper division or graduate standing*

## ARE 590 Art in the Elementary School

Designed to provide additional art experiences in the philosophy, materials and techniques of the visual arts for teachers and administrators.

**Credits: 3**

**Prerequisite:** *Upper division or graduate standing*

## ASL 101 American Sign Language I

The first in a related series of courses that focus on the use and study of American Sign Language (ASL), the language that is widely used by Deaf Americans. This course includes basic ASL vocabulary, grammatical structures and conversational behaviors. Students are introduced to the values and beliefs shared by members of Deaf Culture and the behavioral norms of the Deaf Community.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## ASL 102 American Sign Language II

Second in a related series of courses that focus on the use and study of ASL. This course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 3-4**

**Prerequisite:** *ASL 101 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## ASL 103 American Sign Language III

Third in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 3-4**

**Prerequisite:** *ASL 102 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## ASL 201 American Sign Language IV

Fourth in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 4**

**Prerequisite:** *ASL 103 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## ASL 202 American Sign Language V

Fifth in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 4**

**Prerequisite:** *ASL 201 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## ASL 203 American Sign Language VI

Sixth in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 4**

**Prerequisite:** *ASL 202 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## ASL 205 Introduction to ASL Studies

Introduction to careers in ASL Studies. Students will gain a basic understanding of the variety of jobs available with ASL skills as well as the aptitudes and training required for them.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ASL 215 Visual/Gestural Communication

Focus on the study of gestures, mime and pantomime that accompany non-manual communication. Facial expressions, body movements and hand shapes that communicate meaning in ASL will be identified and examined.

**Credits: 3**

**Prerequisite:** *ASL 103 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 301 American Sign Language VII

Seventh in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on

# Course Descriptions

developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 4**

**Prerequisite:** *ASL 203 with a grade of B- or better or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 302 American Sign Language VIII

Eighth in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 4**

**Prerequisite:** *ASL 301 with a grade of B- or better or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 303 American Sign Language IX

Ninth in a related series of courses that focus on the use and study of ASL. Course includes intermediate ASL vocabulary, grammatical structures and conversational behaviors. Special emphasis on developing more awareness of the cultural values and beliefs shared by the Deaf Community.

**Credits: 4**

**Prerequisite:** *ASL 302 with a grade of B- or better or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 310 ASL Fingerspelling

Develops increased fluency in expressive and receptive abilities in fingerspelling through in class practice and viewing of additional materials. Reinforces abilities to utilize ASL numbering systems for time, money, measurements, game scores and other amounts.

**Credits: 3**

**Prerequisite:** *ASL 203 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 315 American Deaf Culture

Introduces major aspects of deaf culture: 1) history of Deaf people; 2) community and culture of deaf people; and 3) literature and folklore of deaf people.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 320 Deaf Women Studies

Introduces aspects of gender studies regarding deaf women. Topics are deaf women's impact on education, historical movements, ASL linguistics, employment and sports. Other social issues such as discrimination, domestic violence and multicultural issues will also be studied.

**Credits: 3**

**Prerequisite:** *ASL 203 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 321 ASL Media

This course introduces the key features of media in ASL and the Deaf community. This course will cover the aspects of filming, editing, media ethics, academic ASL, online tools and computer programs.

**Credits: 3**

**Prerequisite:** *ASL 103 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 325 American Sign Language Literature

Introduces aspects of ASL literature, including poetry, narrative, theatre and drama. Original works will be studied, analyzed and compared.

**Credits: 3**

**Prerequisite:** *ASL 203 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 327 Deaf Cinema History

This course helps students to build on the prior knowledge gained from past courses and expands on the world of

cinema. Specifically, on the Deaf cinema world. This course will discover the history of the Deaf films, Deaf performers, accessibility, barriers, successes, and controversies. Several assignments will be developed, such as critiques on films, and reviews by people.

May be repeated three times for credit.

**Credits: 3**

**Prerequisite:** *ASL 203 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 330 Special Topics in American Sign Language

Introduction to specific topics and content areas in ASL discourse. Topics include mathematics, history, science, art, sports, psychology, health, biology, computer and mental health/medical. Receptive and expressive skills in ASL will be enhanced. Skills related to research in sign language discourse will be introduced.

**Credits: 4**

**Prerequisite:** *ASL 203 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 340 Introduction to the Deaf Latino Community

Focuses on issues of Deaf and Hard of Hearing Latinos in the U.S. and discover ways the Latino Deaf community can empower itself to become active players that promote leadership, advocacy, and education in the American community.

May be repeated three times for credit.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 353 Linguistics of ASL

Examines linguistic structural properties of American Sign Language including phonology, morphology, syntax and semantics and how signed languages differ and are similar to spoken languages. Students will be introduced to the linguistic and culturally based communication issues



# Course Descriptions

that impact the process between deaf and hearing people.

**Credits: 4**

**Prerequisite:** LING 310, ASL 302 (may be taken concurrent with ASL 303)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 406 Individual Studies

Terms and hours to be arranged.

Designed for individual or special studies in a limited area of interest under the guidance of a designated faculty member.

May be repeated for up to 16 credits.

**Credits: 1-3**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-12**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 408 Workshop

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-12**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 409 Practicum

Terms and hours to be arranged.

May be repeated for up to 16 credits.

Eligible for the RP grade option.

**Credits: 1-12**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 413 American Sign Language Cheroology/Phonology

Study of the cheroological/phonological system in ASL, including methods of classifying and describing cheremes/phonemes in ASL and the relevance of this base to

cheroological/phonological analysis.

**Credits: 3**

**Prerequisite:** ASL 303 and ASL 353 with a grade of C or better in both classes or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 414 American Sign Language Morphology

Focuses on the study of morphological analysis. Data from many languages will be analyzed, but primary focus will be ASL morphology.

**Credits: 3**

**Prerequisite:** ASL 303 and ASL 353 with a grade of C or better in both classes or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 415 American Sign Language Syntax and Semantics

Focuses on the study of syntactic structure and its interaction with meaning. Word order, lexical categories, sentence types, clause structure, topicalization and sentences with transitive, intransitive and agreement verbs will be studied.

**Credits: 3**

**Prerequisite:** ASL 303 and ASL 353 with a grade of C or better in both classes or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 420 Sociolinguistics of Deaf Communities

Focuses on sociolinguistic factors affecting language variation and language change. Socio linguistic factors influencing communication and strategies for analyzing discourse will be studied.

**Credits: 3**

**Prerequisite:** ASL 303, LING 310, and completed General Education writing requirement

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 429 American Deaf History

Introduction to history of the social,

cultural, political, educational and social service aspects of the deaf community. Students examine the norms and values of deaf culture, the linguistic, educational, social and professional influences on the deaf community and ways deaf and hearing people interact in American society.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 440 Mental Health in the Deaf Community

This course is designed to focus on the ways that mental health and substance abuse impact the Deaf community. The course also provides an introduction to the history and culture of deaf-related services, an exploration of common mental health disorders and the difficulty of proper diagnosis, and encourages students to examine their own bias and beliefs related to the field of mental health. This course incorporates evidence-based readings, guided discussions, and group activities.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 456 First and Second Language Acquisition: Deaf and Hard of Hearing

Students will be taught the differences in first and second language acquisition of the deaf or hard of hearing student and the relationship to learning in the first language while the second language is acquired.

**Credits: 3**

**Prerequisite:** ASL 303 and ASL 353 with a B or better or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 460 Black American Sign Language

This course primarily examines language use within the Black Deaf community in America. This course focuses on the history of Black Deaf American Sign Language, language variation and structure and its influence on the Black Deaf

# Course Descriptions

experience. It will concentrate on the development of an unique group of people, and carefully analyze intersectionalized identity and language use that can result from being part of both the Deaf community and the Black community.

May be repeated three times for credit.

**Credits: 3**

**Prerequisite:** ASL 353 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 465 Black Deaf Culture

This course primarily examines Black Deaf people in America. It focuses on the history, education, community, culture and psychological forces that influence the Black Deaf experience. It will concentrate on the social, political and cultural development of an unique group of people and carefully examine the intersectionalized identity that can result from being part of both the Deaf community and the Black community through a critical theory lens of oppression and resilience.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 470 DeafBlind Culture, Communication & Guiding

Students will explore a variety of communication strategies that can contribute to their skill set as ASL/English interpreters and support service providers working with the deafblind community. Students will incorporate these strategies and personalize them depending on the individuals with whom they are working.

**Credits: 3**

**Prerequisite:** ASL 301 with a grade of B or better, or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 475 Deaf Sociology

This course primarily examines Deaf people in America and internationally. It focuses on Deaf human societies, their interactions, and the processes that preserve and change them. It does this by examining the dynamics

of constituent parts of societies such as institutions, communities, populations, and gender, racial, or age groups. It also studies social status/stratification, social movements, and social change, as well as societal disorder in the form of crime, deviance, and revolution.

**Credits: 3**

**Prerequisite:** ASL 203 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ASL 540 Mental Health in the Deaf Community

Focus on deaf individuals who have mental health issues and cultural effects in their communities. In depth understanding of how to work with individuals who have mental health issues.

**Credits: 3**

**Prerequisite:** Consent of instructor

## ASL 556 First and Second Language Acquisition: Deaf and Hard of Hearing

Students will be taught the differences in first and second language acquisition of the deaf or hard of hearing student and the relationship to learning in the first language while the second language is acquired.

**Credits: 3**

**Prerequisite:** ASL 303 and ASL 353 with a B or better or consent of instructor

## BA 101 Introduction to Business

Business organization, operation and management; intended to orient the student in the field.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 131 Introduction to Business Computing

The use of Excel and its function as a tool in business applications, such as accounting, finance, business forecasting, and data visualization.

**Credits: 3**

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

## BA 199 Special Studies

Terms and hours to be arranged.

May be repeated for up to 12 credits.

Eligible for the RP grade option.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 211 Financial Accounting

Students will gain a basic understanding of how accounting is used by investors, managers, government agencies and others. Includes the study of transaction analysis with emphasis on accrual versus cash accounting and the preparation, interpretation and use of financial statements.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 213 Managerial Accounting

The study of accounting continues from the perspective of management users, with emphasis on planning, performance evaluation and information needed for effective decision-making.

**Credits: 4**

**Prerequisite:** BA 211

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 217 Accounting for Non-Accountants

Provides a comprehensive non-technical accounting course for the business minor and others interested in a survey of financial and managerial accounting techniques. Assumes no prior knowledge of accounting. Not available for credit in the business major.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 220 Introduction to Financial Management

Basic processes, principles, tools and

# Course Descriptions

concepts of finance. Topics include financial analysis, financial forecasting, profit planning, budgeting, working capital management and capital budgeting. Not available for credit in the business major.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 229 Personal Finance

Study of the role of the consumer in American society, consumer decision-making, consumer credit and borrowing, home ownership, life insurance, annuities, estate planning, wills, trusts, expenditures and taxes for government.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 230 Introduction to Business Law

Nature and role of the law in conducting business; tort, formation, performance and discharge of contracts; commercial transactions and law of business organization, sales, bankruptcies; and the general nature of government regulation.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 240 Quantitative Business Methods

The use of functional forms to describe variables commonly encountered in business, such as sales revenue and financial asset value. Development and application of constrained and unconstrained optimization, including differential and integral calculus.

**Credits: 4**

**Prerequisite:** MTH 110 or MTH 111Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 243 Business Statistics

Probability, data description and analysis, sampling distribution, confidence intervals and hypothesis testing with emphasis on business

applications.

**Credits: 4**

**Prerequisite:** Second-year high school algebra or equivalent or satisfy score on the placement exam

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 284 Introduction to International Business

This course will address the organization, marketing and finance of international business. Each section will address the role of culture and the restrictions placed on international business.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 305 Business Analysis & Report Writing

Instruction will concentrate on various forms of written communication, with special emphasis on small business analysis.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 310 Principles of Marketing

Introduces the theories, concepts and terms that marketers use in their daily planning activities. Begins with an overview of strategic marketing planning. Strategic elements of the marketing plan (target definition, product strategy, distribution strategy, promotion strategy and price strategy) are examined in greater detail.

**Credits: 3**

**Prerequisite:** Sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 311 Personal Selling

Application of personal selling theories with a focus on basic steps in the selling process: prospecting, qualifying, presentation, objections, closing and follow-up.

**Credits: 3**

**Prerequisite:** BA 310 and junior standing

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

## BA 315 Financial Management

Basic processes, principles, tools and concepts of finance. Topics include financial analysis, financial forecasting, profit planning, budgeting, working capital management and capital budgeting. Course also covers the basics of financial markets, institutions and sources of supply of different types of funds available to a firm.

**Credits: 3**

**Prerequisite:** BA 211 or consent of instructor and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 316 Advanced Financial Management

Extensive use of Excel and Monte Carlo Simulation in the structuring and analysis of financial problems. Major topics include liquidity, pro forma financials, forecasting and capital budgeting.

**Credits: 3**

**Prerequisite:** BA 315 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 317 Intermediate Accounting I

Study of major accounting principles; summary of accounting process; revenue and expense recognition; balance sheet and income statement; concepts in the valuation of all current assets.

**Credits: 4**

**Prerequisite:** BA 213 or consent of instructor and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 318 Intermediate Accounting II

Concepts in the valuation of both short-term and long-term liabilities; contingencies; recording and adjusting plant assets; long-term assets and intangible assets; stockholders equity transactions.

# Course Descriptions

**Credits: 4**

**Prerequisite:** BA 317 or consent of instructor and sophomore standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 319 Intermediate Accounting III

Study of revenue recognition, accounting changes, error analysis, taxes, pensions, leases, statement of cash flows and full disclosure.

**Credits: 4**

**Prerequisite:** BA 318 or consent of instructor and sophomore standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 325 Portfolio Management

Develops an understanding of key ingredients in portfolio selection. Examines alternative investments and how to combine them into an efficient portfolio.

**Credits: 3**

**Prerequisite:** BA 315 and sophomore standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 340 Business Forecasting

A survey of forecasting methods, including trend regression, seasonal effects, smoothing and autoregressive moving-average models. Emphasis is on understanding the underlying process and interpreting the results of computer programs.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 345 Digital Marketing

Analyzes the use of digital communication and information applied to the Marketing mix. Examines how digital channels are utilized in Marketing activities, and how digital technology can be utilized and its outcomes quantified through online metrics, search engine optimization, and GIS to achieve Marketing Mix objectives.

**Credits: 4**

**Prerequisite:** Junior standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 361 Organizational Behavior

A survey of current theories about the behavior of individuals and groups within organizations, as well as the operation of the organization as a whole. Topics include individual differences, job attitudes, decision-making, motivation, job design, group structure and process, communication, leadership, power and politics, organizational structure and design and organizational change.

**Credits: 3**

**Prerequisite:** Sophomore standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 362 Business Ethics

Focuses on recognizing, analyzing and resolving ethical issues in business. Topics include privacy in the workplace, product safety, corporate social responsibility and international ethics.

**Credits: 3**

**Prerequisite:** Sophomore standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## BA 367 Regression Analysis

A second course in statistics. Coursework includes hypothesis testing, simple regression, multiple regression and the study of the validity of the assumptions used in regression models.

**Credits: 3**

**Prerequisite:** BA 243 or STAT 243Z  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 368 Introduction to Operations Research

Study of quantitative techniques for decision support. Topics include linear programming, integer programming, project management and dynamic

programming.

**Credits: 3**

**Prerequisite:** BA 240 or MTH 241 and sophomore standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 370 Business and Society

Explores the complex interrelationships among business, government and society, with an emphasis on the social responsibilities of business. Topics include diversity in the workplace, consumerism, environmental policy and risks, ethical decision-making and business involvement in the political process.

**Credits: 3**

**Prerequisite:** Junior standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 390 Management

An introduction to basic management processes with an emphasis on problem-solving skills. The course examines the four managerial functions of planning, organizing, leading and controlling. Students apply management theory to current topics.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 391 Human Resource Management

An introduction to personnel functions. Topics include personnel planning, recruitment, promotion and personnel development, employee compensation and motivation, job analysis and design, supplemental benefits, labor relations and occupational health and safety.

**Credits: 3**

**Prerequisite:** GERO 320 or BA 361 and BA 362 (or BA 370 or BA 390) and junior standing  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 392 Management of Diversity

Focuses on managing diversity within organizations by addressing topics such as development and

# Course Descriptions

management of multicultural work teams, cross-cultural communication and performance evaluation.

**Credits: 3**

**Prerequisite:** BA 361

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 398 Personal Investment Analysis

Provides student with an exposure to budgeting, investing, taxes and tax planning, estate planning, financial leverage and stocks and bonds.

**Credits: 3**

**Prerequisite:** BA 315

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 399 Special Studies

Terms and hours to be arranged. May be repeated for up to 12 credits. Eligible for the RP grade option.

**Credits: 1-12**

**Prerequisite:** *Sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 406 Special Individual Studies

Terms and hours to be arranged. A specialized or individualized course of study within the business area, developed in consultation with the instructor.

May be repeated for up to 12 credits. Eligible for the RP grade option.

**Credits: 1-12**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 407 Seminar

Terms and hours to be arranged. Special seminar topic offerings in business.

May be repeated for up to 12 credits. Eligible for the RP grade option.

**Credits: 1-12**

**Prerequisite:** *Junior standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 409 Internship/Practicum

Practical application of business theory and/or collection of data for theoretical interpretation.

May be repeated for up to 12 credits.

Eligible for the RP grade option.

**Credits: 1-12**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 410 Marketing Research

Includes the definition of marketing research, the process of marketing research, classifications of marketing research and the stages in the research process.

**Credits: 3**

**Prerequisite:** BA 310 and BA 243; or MTH 243Z and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 411 Marketing Strategy

Students learn the process of creating strategic marketing plans using: 1. A situational analysis based on research of a company's external and internal environments and 2. Tactical decisions regarding product strategies, pricing, distribution channels and communications for a product, idea, goods or service.

**Credits: 3**

**Prerequisite:** BA 213 and BA 310 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 412 New Product Development

Examines the processes utilized and problems occurring in the development of new products and services. The new product development process is examined in several industries and contexts and students develop skills and abilities utilized in new product development. Students develop proficiency in assessing and evaluating new product development opportunities and activities.

**Credits: 3**

**Prerequisite:** BA 310

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 414 Sports Marketing

Course addressing marketing efforts and strategy in the context of industries utilizing sport in their product and service offerings.

**Credits: 3**

**Prerequisite:** BA 310

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 415 Integrated Marketing Communications

Analyzes the multiple communication and promotion options available to managers (e.g., advertising, digital media, public relations, personal selling), and how these options are used, managed, and integrated when communicating with consumers and industrial buyers. The strategic development, implementation, and integration of messages to enhance the Marketing mix is emphasized.

**Credits: 3**

**Prerequisite:** BA 310 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 416 Government Regulation

Student will review the philosophy of regulation in the marketplace, evaluate the impact of regulation on business practices and study the cost/benefit ratio of regulation for selected sectors of the American economy. Special emphasis will be placed on the cost of regulation as it impacts small businesses.

**Credits: 4**

**Prerequisite:** EC 201 and EC 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 420 Securities Analysis

Develops theory and requisite tools of securities analysis using computer modeling and portfolio applications.

**Credits: 3**

**Prerequisite:** BA 325 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## BA 421 Cost Accounting

The study of cost accounting concepts and procedures as a managerial tool for implementing and monitoring business strategy, including accounting for cost inputs, assigning responsibility, analysis of cost behavior, capital budgeting and actual versus standard cost systems.

**Credits: 4**

**Prerequisite:** BA 213 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 424 Capital Budgeting

Suggests a logical framework for analysis of how much a firm should invest in plant and equipment, how the funds invested should be allocated.

**Credits: 3**

**Prerequisite:** BA 315

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 427 Small Business Finance

Utilizes the basic processes, principles, tools and concepts of finance within the parameters of a small business. The course centers around a project to develop a complete financial plan that projects the future flow of funds by analyzing and integrating the impact of investment decisions and financing decisions.

**Credits: 3**

**Prerequisite:** BA 315

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 430 Business Taxation

Philosophy of the tax system and required reporting under tax law; emphasis on small business; impact of taxes on investments and capital expenditures; introduction to estate and gift taxes; tax planning techniques.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 431 Federal Income Tax I

Study of individual income tax, gains and losses, dividends, business and

personal deductions and tax computations.

**Credits: 4**

**Prerequisite:** BA 213 or consent of instructor and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 432 Federal Income Tax II

Philosophy of the tax system and required reporting under federal tax law for corporations, partnerships, estates and trusts, estate and gift taxes; installment sales; cash and accrual basis taxation.

**Credits: 4**

**Prerequisite:** BA 431 or consent of instructor and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 435 Consumer Behavior

Examines behavior involved in the search, acquisition, and consumption/utilization of products and services. The implications of behavioral concepts (e.g., personality, motivation, perception, cultural influences, decision-making process, satisfaction, learning, persuasion, etc.) for strategic and tactical Marketing activities are analyzed and discussed.

**Credits: 3**

**Prerequisite:** BA 310

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 438 Real Estate Investment

Comprehensive overview of real estate finance. Factors affecting real estate investment are emphasized. Specific topics covered include: valuation, market analysis, ownership forms, financing, development and portfolio effect.

**Credits: 3**

**Prerequisite:** BA 315 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 441 Advanced Accounting

Study of business combinations and consolidated financial statements and introduction to fund accounting.

**Credits: 4**

**Prerequisite:** BA 319 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 445 Forensic Accounting

Forensic Accounting introduces the basic concepts for the use of accounting theories, principles and analyses in legal action. The course will focus on the relationship and application of financial facts to business problems. Students will learn to analyze and interpret the effect of application of financial facts as they pertain to legal situations, as well as explain the function and importance of the prevention, detection and investigation of fraud. Students will learn appropriate quantitative methods to interpret and analyze financial information for legal action.

**Credits: 4**

**Prerequisite:** BA 317

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 450 State & Local Government Accounting

Policy analysis of government expenditures, taxes and intergovernmental fiscal relations; the role of government in the economy and policy analysis; the division of functions and revenues between state and local governments; revenues, expenditures and indebtedness of these governments; analysis of state and local tax structures; application to study of the Oregon system.

**Credits: 4**

**Prerequisite:** BA 317 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 451 Auditing

Role of auditor, ethics, legal liability of CPA profession; internal controls, analysis of clients' accounting system; evidence statistics sampling techniques; audit work papers.

**Credits: 4**

**Prerequisite:** BA 318 or consent of instructor and sophomore standing

**Satisfactory Grading:** Eligible for the

# Course Descriptions

Satisfactory/No Credit grade mode.

## BA 474 Business Leadership

Examines the art and science of leadership with a focus on the business environment. Topics include leadership qualities and skills, the importance of vision, leading people through change, leadership and values, organizational climate, the leader as teacher and effective delegation. Course will include a leadership analysis of key leaders in the business world.

**Credits: 3**

**Prerequisite:** *Junior standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 476 Topics in Management

Topics may include at different times: strategic planning and implementation; productivity; computer applications; women in management; and other topics of special interest.

May be repeated for credit, if content is different.

**Credits: 3**

**Prerequisite:** *BA 361 and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 477 Topics in Marketing

Focus on marketing topics of special interest to students and faculty such as retail marketing, services marketing, consumer behavior or social marketing.

May be repeated for credit, if content is different.

**Credits: 3**

**Prerequisite:** *BA 310*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 478 Topics in Finance

Student will investigate topics of special interest such as long-term stock market expectations, risk on the equity markets and advanced concepts in financial management. May be repeated for credit, if content is different.

**Credits: 3**

**Prerequisite:** *BA 315*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 484 International Management

A study of the political, social, cultural, economic and legal environment for engaging in trade between countries. Emphasis will be on management strategies for small business as participants in international business operations.

**Credits: 3**

**Prerequisite:** *BA 361*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 485 International Finance

A study of international finance and investing. Emphasis will be on currency, working capital management, sources of funds and investigation of investment products.

**Credits: 3**

**Prerequisite:** *BA 315 and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 486 International Marketing

A study of the influence of foreign markets, competition and government policy in creating and penetrating markets. Emphasis will be on marketing strategies developed in the U.S. for implementation in foreign markets.

**Credits: 3**

**Prerequisite:** *BA 213 and BA 310*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 487 International Law

A study of law as it applies to businesses participating in international business operations.

**Credits: 3**

**Prerequisite:** *BA 230 and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 490 Operations Management

Introductory investigation into managerial processes pertinent to internal operations of task-related enterprises. Subjects related to operations planning and control, locations, capacity decisions, systems reliability, facility layout, program scheduling and inventory management are the focus.

**Credits: 3**

**Prerequisite:** *BA 243 or MTH*

*243Z and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 491 Strategic Management

Capstone course that explores how firms can build competitive advantage. Focus is the strategic planning process, including analyzing the external environment, assessing internal strengths and weaknesses, establishing objectives and strategies and implementing strategic plans.

**Credits: 3**

**Prerequisite:** *BA 310, BA 315, BA 361, BA 362 (or BA 370 or BA 390) and senior standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 492 Total Quality Management

Focuses on using quality practices within organizations by addressing topics such as team development, statistical process control, problem-solving and organizational design.

**Credits: 3**

**Prerequisite:** *BA 361 and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 495 Organization Design

Analysis of the structure and behavior of the organization as a whole. Examines the design of different types of organizations, including bureaucracy and nontraditional forms, in both public and private sector. Topics include departmentalizing and coordination, effect of environment and technology on structure and organizational growth, change and

# Course Descriptions

decline.

**Credits: 3**

**Prerequisite:** BA 361 and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## BA 606 Special Individual Studies

Terms and hours to be arranged. A specialized or individualized course of graduate study to be arranged in consultation with a Business or Economics instructor.

Eligible for the RP grade option.

**Credits: 1-8**

## BA 610 Marketing Analysis and Strategy

Overview of situational elements affecting an organization's marketing planning process and the tools and techniques available for implementing a marketing plan.

**Credits: 4**

## BA 615 General Linear Models

Regression analysis, emphasizing application and interpretation of results, validity of the assumptions, model selections.

**Credits: 4**

## BA 620 Organization Budgetary Process

Capital and cash budgeting, specific skills for gathering, analyzing and presenting budgetary information.

**Credits: 4**

## BA 625 New Product Development

Examines the principles and theory of new product development, in the context of marketing and marketing management. Students will gain knowledge and experience in the process of identifying issues relating to the challenges of product planning, strategy and implementation, as well as developing skills and abilities utilized in new product development. A number of new product development

contexts are covered (including the development of both product and services), allowing students to develop proficiency in assessing and evaluating new product development opportunities and activities.

**Credits: 4**

## BA 630 Report Writing and Economic Analysis

Steps to form a precise hypothesis, collect and analyze economic data to test the hypothesis and present the results.

**Credits: 4**

## BA 635 Professional Project

Independent enrollment course permits students to complete a professional project of their choosing, approved by their adviser.

Eligible for the RP grade option.

**Credits: 1-8**

## BA 640 Organization Leadership

Examines leadership in theory and practice. Topics include motivation, leadership style, individual and group decision-making, business ethics and strategic management.

**Credits: 4**

## BA 645 Operations Management

Investigates managerial processes pertinent to internal operations of enterprises. Topics include competitiveness, strategies and productivity, locations and capacity decisions, forecasting, aggregate planning, inventory management, material requirement planning, management of quality and quality control, management of waiting lines and lean operations.

**Credits: 4**

## BA 650 Accounting/Finance and Information Systems

Accounting and finance topics relevant to managerial decisions and information systems use and design. Topics include the basic managerial functions required of an

accounting/financial system and the design process including requirements analysis, design and testing, data conversion and support functions.

**Credits: 4**

## BA 675 Topics in Business

Topics vary and focus on requisite skills for academia and the workplace, particularly for management and information systems. Topics may include quantitative analysis, scientific method, research and reporting, writing for the professions, collaborative efforts, leadership skills and others.

May be repeated for up to 8 credits.

**Credits: 1**

## BA 676 Topics in Management and Information Systems

Focus on topics related to management and information systems, including financial, operations, project and strategic management.

May be repeated for credit, if content is different.

**Credits: 4**

## BI 101 General Biology: The Diversity of Life

Students will practice scientific skills by describing living things, investigating how living things interact and analyzing the environmental interactions that shape life's diversity. Three hours of lecture (or equivalent) and two hours of laboratory each week as part of a larger inquiry-based exploration of the patterns and processes that influence the diversity of life on Earth.

**Credits: 4**

**Corequisite:** BI 101L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*



# Course Descriptions

## BI 101L Lab: General Biology

To be taken concurrently with BI 101.

**Credits: 0**

**Corequisite:** BI 101

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 102 General Biology: The Foundations of Life

Students will practice scientific skills by describing the structure of cells, investigating how cells process energy and analyzing the patterns of cellular information flow that shape genetic inheritance.

Three hours of classroom time (or equivalent) and two hours of laboratory each week as part of a larger inquiry-based exploration of the structure and function of the basic cellular units of life.

**Credits: 4**

**Corequisite:** BI 102L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 102L Lab: General Biology

To be taken concurrently with BI 102.

**Credits: 0**

**Corequisite:** BI 102

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 103 General Biology: Systems of Life

An exploration of the structure and function of living things. Students in this laboratory science course will practice scientific skills by examining the structure and function of different kinds of cells and exploring the diversity of ways in which cells, tissues and organs are organized to help maintain life.

Three hours of lecture and one two-hour laboratory period per week. Emphasizes the anatomy and physiology of plants and animals along with a brief treatment of animal behavior.

**Credits: 4**

**Corequisite:** BI 103L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit

grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 103L Lab: General Biology

To be taken concurrently with BI 103.

**Credits: 0**

**Corequisite:** BI 103

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 131 Field Ecology

This course engages students in facilitated inquiry to explore local environments in and adjacent to the WOU campus by developing and carrying out small-scale field studies to ask questions they have developed themselves. Students will be guided to learn about quantitative and qualitative field methodology and the ecological concepts that are needed to make sense of the patterns and evidence that they are exploring.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major.

If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 134 Introductory Human Anatomy and Physiology

An introductory study of the anatomy and physiology of the human body. This Scientific Perspectives course will provide students opportunities to explore scientific skills through observation and the use of the scientific method in inquiry-based, student-centered classroom and laboratory activities. This course will focus on basic chemistry, cells, tissues, and the integumentary, skeletal, muscular, and nervous

systems of the human body.

Three hours of classroom meetings (or equivalent) and two hours of laboratory per week.

**Credits: 4**

**Corequisite:** BI 134L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 134L Lab: Introductory Human Anatomy and Physiology

To be taken concurrently with BI 134.

**Credits: 0**

**Corequisite:** BI 134

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 135 Introductory Human Anatomy and Physiology

An introductory study of the anatomy and physiology of the human body. This Scientific Perspectives course will provide students opportunities to explore scientific skills through observation and the use of the scientific method in inquiry-based, student-centered classroom and laboratory activities. This course will focus on the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of the human body. Three hours of classroom meetings (or equivalent) and two hours of laboratory per week.

Three hours of classroom meetings (or equivalent) and two hours of laboratory per week.

**Credits: 4**

**Prerequisite:** BI 134

**Corequisite:** BI 135L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is

# Course Descriptions

earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 135L Lab: Introductory Human Anatomy and Physiology

To be taken concurrently with BI 135.

**Credits: 0**

**Corequisite:** *BI 135*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 143 Marine Biology

This course engages students in exploration of aquatic biomes, with an emphasis on representative biodiversity in ecosystems typical of the Pacific Northwest. Laboratory and field investigations provide an introduction to scientific practice skills and the synthesis of knowledge through an electronic portfolio supports the development of conceptual understanding of the aquatic systems that cover over ¾ of the planet.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major.

If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 211 Principles of Biology: Cells and Genetics

An introduction to the science of biology designed for students pursuing a biology major. Focus on cell biology, metabolism, genetics and molecular biology.

Three hours of classroom meetings and three hours of laboratory per week.

**Credits: 4**

**Prerequisite:** *BI 102 with a grade of B or better or MTH 111Z with a grade of C or better or placement into MTH*

*112Z or higher*

**Corequisite:** *BI 211L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 211L Lab: Principles of Biology

To be taken concurrently with BI 211.

**Credits: 0**

**Corequisite:** *BI 211*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 212 Principles of Biology: Evolution, Diversity, and Ecology

An introduction to the science of biology designed for students pursuing a biology major. Focus on evolution, biological diversity, and ecology. Three hours of classroom meetings and three hours of laboratory per week.

**Credits: 4**

**Prerequisite:** *Passing grade in BI 211*

**Corequisite:** *BI 212L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 212L Lab: Principles of Biology

To be taken concurrently with BI 212.

**Credits: 0**

**Corequisite:** *BI 212*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 213 Principles of Biology: Structure and Function

An introduction to the science of biology designed for students pursuing a biology major. Focuses on the anatomical features and physiological processes that allow multicellular organisms to survive and reproduce. Three hours of classroom meetings and three hours of laboratory per week.

**Credits: 4**

**Prerequisite:** *Passing grade in BI 211*

**Corequisite:** *BI 213L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Exploring Knowledge:** *Scientific Perspectives*

## BI 213L Lab: Principles of Biology

To be taken concurrently with BI 213.

**Credits: 0**

**Corequisite:** *BI 213*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 224 Health and Human Evolution

Evolutionary medicine integrates evolutionary biology, anthropology and medicine to improve our understanding of human health, disease, and disease prevention. This course will introduce students to fundamental concepts of evolutionary medicine and students will practice applying these concepts to modern human health concerns like diet, physical activity, mental health, contagious disease, and genetic impacts on health. Students will participate in weekly discussions and in-class activities, reflect on the course material through writing, and complete a public outreach-oriented research project on a topic of their choice within evolutionary medicine. In-class activities will provide opportunities for students to practice applying theory

# Course Descriptions

from evolutionary biology to questions related to human health and wellness and to assess the efficacy and feasibility of evolutionary medicine-based practices in their own lives.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Foundational Skills:** *Health Promotion*

## BI 234 Human Anatomy and Physiology

Study of the anatomy and physiology of the human body. Uses lecture and laboratories utilizing human cadavers to cover the following topics: integumentary system, skeletal system, muscular system and immune system.

Three one-hour lectures and one three-hour laboratory per week

**Credits: 4**

**Prerequisite:** *BI 102 or BI 211 with a grade of C- or better*

**Corequisite:** *BI 234L*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 234L Lab: Human Anatomy and Physiology

To be taken concurrently with BI 234.

**Credits: 0**

**Corequisite:** *BI 234*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 235 Human Anatomy and Physiology

Study of the anatomy and physiology of the human body. Uses lecture and laboratories utilizing human cadavers to cover the following topics: nervous system, special senses, endocrine system and cardiovascular system. Three one-hour lectures and one three-hour laboratory per week.

**Credits: 4**

**Prerequisite:** *BI 234*

**Corequisite:** *BI 235L*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 235L Lab: Human Anatomy and Physiology

To be taken concurrently with BI 235.

**Credits: 0**

**Corequisite:** *BI 235*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 236 Human Anatomy and Physiology

Study of the anatomy and physiology of the human body. Uses lecture and laboratories utilizing human cadavers to cover the following topics:

respiratory system, digestive system, urinary system and reproductive system.

Three one-hour lectures and one three-hour laboratory per week.

**Credits: 4**

**Prerequisite:** *BI 235*

**Corequisite:** *BI 236L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major.

If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 236L Lab: Human Anatomy and Physiology

To be taken concurrently with BI 236.

**Credits: 0**

**Corequisite:** *BI 236*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 237 Introductory Microbiology

Provides an introduction to the biology of microorganisms with an emphasis on infectious human diseases, immunology, and the control of disease through antimicrobial strategies and vaccination. Designed for pre-nursing and pre-dental hygiene

students. Laboratory emphasizes skills with microscopes, identification testing, and aseptic technique.

Three hours of lecture and one two-hour lab per week.

Does not apply toward a biology major/minor.

**Credits: 4**

**Prerequisite:** *BI 102, BI 234, BI 235 all with a grade of C or better and MTH 101, MTH 105Z, MTH 110 or MTH 111Z with grade of C or better*

**Corequisite:** *BI 237L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major.

If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 237L Lab: Introductory Microbiology

To be taken concurrently with BI 237.

**Credits: 0**

**Corequisite:** *BI 237*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 302 Evolution and Infectious Disease

This course explores how evolution has enabled and impacted infectious diseases and their causative microbial agents, emphasizing outbreaks over the last 100 years. Study the basic biology of bacteria and viruses, the genetic and selective processes that drive microbial evolution, and the impact of historic and ongoing technological advances in prevention, treatment, diagnostics, and detection. Four hours of lecture and active learning per week. Recommended: Students should have completed a year of general high school biology and be comfortable applying basic knowledge about cells, molecules (DNA, RNA, proteins), and genetics.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major.

If you elect S/NC grading the course cannot be used to meet Biology

# Course Descriptions

requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Science, Technology, and Society*

## BI 314 Introductory Genetics

Principles and mechanisms of inheritance, including consideration of patterns of inheritance, the nature of the gene, chromosome structure, gene action, population genetics and mechanisms of mutation.

Three hours of lecture plus one hour discussion section per week.

**Credits: 4**

**Prerequisite:** *BI 211 or consent of instructor and MTH 111Z (or equivalent)*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 315 Cell Biology

An introduction to cell structure and function required for the biology major. Examines the architecture and basic organelle activity in the intact cell and the major techniques currently employed to study cells.

Three hours of lecture and one three-hour laboratory each week.

**Credits: 4**

**Prerequisite:** *BI 213, BI 314 and CH 221*

**Corequisite:** *BI 315L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 315L Lab: Cell Biology

To be taken concurrently with BI 315.

**Credits: 0**

**Corequisite:** *BI 315*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 316 Evolution

Introduction to the major concepts and principles of evolutionary biology with an emphasis on the sources of variation, mechanisms of evolution, phylogenetics and the evolution of the human lineage.

Three hours lecture plus one hour discussion session.

**Credits: 4**

**Prerequisite:** *BI 212 and BI 314 or consent of instructor*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 317 Vertebrate Natural History

The evolutionary history and classification, life history and ecology of vertebrate animals. Laboratory will emphasize identification and field studies of vertebrates that occur in Oregon.

Three one hour lectures and one four-hour laboratory

**Credits: 5**

**Prerequisite:** *BI 101 or BI 212 or consent of instructor*

**Corequisite:** *BI 317L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 317L Lab: Vertebrate Natural History

To be taken concurrently with BI 317.

**Credits: 0**

**Corequisite:** *BI 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 321 Systematic Field Botany

Designed to give practical experience in the identification of common plant families and species of the Willamette Valley. Includes the learning of major characteristics of plant families from a phylogenetic perspective and the use of tools for plant identification. Field collections that emphasize careful observation and records of ecological relations as plants are collected and field trips to selected sites are required.

Three lectures plus one three-hour laboratory period.

**Credits: 4**

**Prerequisite:** *BI 101 or BI 212 recommended*

**Corequisite:** *BI 321L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 321L Lab: Systematic Field Botany

To be taken concurrently with BI 321.

**Credits: 0**

**Corequisite:** *BI 321*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 324 Comparative Vertebrate Anatomy

A comparative analysis of vertebrate morphology, emphasizing the study of organs and organ systems and an introduction to the taxonomy, evolution and functional morphology of the vertebrates. Anatomy at the level of the cell, the organ system and the

# Course Descriptions

organism will be discussed.

Three hours of lecture and four hours of laboratory per week.

**Credits: 5**

**Prerequisite:** *BI 211, BI 212 and BI 213 or consent of instructor*

**Corequisite:** *BI 324L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 324L Lab: Comparative Vertebrate Anatomy

To be taken concurrently with BI 324.

**Credits: 0**

**Corequisite:** *BI 324*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 330 Plant Physiology

An examination of the physiological processes and mechanisms involved in plant nutrition, photosynthesis, assimilation of organic and inorganic materials, energy balance, water requirements, growth factors and organismic control.

Three hours lecture and one four-hour laboratory.

**Credits: 5**

**Prerequisite:** *BI 213 and CH 223 or consent of instructor*

**Corequisite:** *BI 330L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 330L Lab: Plant Physiology

To be taken concurrently with BI 330.

**Credits: 0**

**Corequisite:** *BI 330*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 331 General Microbiology

Selected topics in the science of microbiology with an emphasis on microbial structures and physiology as they impact diversity and ecology, biotechnology and diseases (bacterial, viral and protozoal). Involved lab component represents nearly half course grade.

**Credits: 4**

**Prerequisite:** *BI 211, BI 212, BI 213, CH 221, CH 222, and CH 223*

**Corequisite:** *BI 331L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 331L Lab: General Microbiology

To be taken concurrently with BI 331.

**Credits: 0**

**Corequisite:** *BI 331*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 334 Advanced Human Anatomy and Physiology

Advanced study of the anatomy and physiology of the human body designed for students intending to pursue future studies in professional health-related fields.

Three hours of lecture and three hours of laboratory per week. Laboratory component includes anatomical studies using histological slides, models and human cadavers. Focuses on integumentary, skeletal, muscular and nervous systems.

**Credits: 4**

**Prerequisite:** *BI 213 or consent of instructor*

**Corequisite:** *BI 334L*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 334L Lab: Advanced Human Anatomy and Physiology

To be taken concurrently with BI 334.

**Credits: 0**

**Corequisite:** *BI 334*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 335 Advanced Human Anatomy and Physiology

Advanced study of the anatomy and physiology of the human body designed for students intending to pursue future studies in professional health-related fields.

Three hours of lecture and three hours of laboratory per week. Laboratory component includes anatomical studies using histological slides, models and human cadavers. Focuses on endocrine, cardiovascular and respiratory systems.

**Credits: 4**

**Prerequisite:** *Passing grade in BI 334*

**Corequisite:** *BI 335L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 335L Lab: Advanced Human Anatomy and Physiology

To be taken concurrently with BI 335.

**Credits: 0**

**Corequisite:** *BI 335*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 336 Advanced Human Anatomy and Physiology

Advanced study of the anatomy and physiology of the human body designed for students intending to pursue future studies in professional health-related fields.

Three hours of lecture and three hours of laboratory per week. Laboratory component includes anatomical studies using histological slides, models and human cadavers. Focuses on digestive, urinary and reproductive systems.

# Course Descriptions

## **Credits: 4**

**Prerequisite:** *Passing grade in BI 335*

**Corequisite:** *BI 336L*

### **Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## **BI 336L Lab: Advanced Human Anatomy and Physiology**

To be taken concurrently with BI 336.

### **Credits: 0**

**Corequisite:** *BI 336*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **BI 340 Plant Nutrition**

A study of soil fertility, nutrient acquisition, transport and metabolism, crop growth and yield and farming practices that affect plant nutrition. Laboratory includes field trips and a term-long greenhouse experiment to diagnose nutrient deficiency. Three hours of lecture and two hours of laboratory per week.

### **Credits: 4**

**Prerequisite:** *BI 213 or CH 223*

**Corequisite:** *BI 340L*

### **Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## **BI 340L Lab: Plant Nutrition**

To be taken concurrently with BI 340.

### **Credits: 0**

**Corequisite:** *BI 340*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **BI 343 Analysis of Biological Data**

A practical examination of the concepts, reasoning, and techniques used in experimental design and the statistical analysis of biological data. Topics include designing experiments; collecting and organizing data; understanding, summarizing and presenting data; data distributions and an introduction to probability; modern statistical techniques used to analyze different types of biological data; and statistical and biological inference.

### **Credits: 4**

**Prerequisite:** *MTH 111Z or MTH 243Z*

**Corequisite:** *BI 343L*

### **Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## **BI 343L Lab: Analysis of Biological Data**

To be taken concurrently with BI 343.

### **Credits: 0**

**Corequisite:** *BI 343*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **BI 357 General Ecology**

Focuses on the patterns of distribution and abundance of organisms in space and through time. Explores the underlying causes, both natural and anthropogenic, of these patterns at the population, community and ecosystem levels for a variety of organisms and ecosystems. In the lab, students will engage in nearly all phases of ecological research.

Three hours of lecture and one three-hour laboratory.

### **Credits: 4**

**Prerequisite:** *BI 211, BI 212, BI 213, MTH 111Z and completed General Education writing requirement*

**Corequisite:** *BI 357L*

### **Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit

grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## **BI 357L Lab: General Ecology**

To be taken concurrently with BI 357.

### **Credits: 0**

**Corequisite:** *BI 357*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **BI 360 Animal Behavior**

A consideration of the basic problems in animal behavior, including ecological adaptations of behavioral patterns, mechanisms underlying behavior, social behavior and the nature and organization of animal societies.

Three lectures and one three-hour laboratory.

### **Credits: 4**

**Prerequisite:** *BI 101 or BI 212 or consent of instructor*

**Corequisite:** *BI 360L*

### **Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## **BI 360L Lab: Animal Behavior**

To be taken concurrently with BI 360.

### **Credits: 0**

**Corequisite:** *BI 360*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **BI 361 Marine Ecology**

Explores the ecology and diversity of marine ecosystems worldwide and focuses on adaptations, life histories and interactions of organisms with each other and their environment. Regions covered include temperate, tropical and polar seas, the open

# Course Descriptions

ocean and the deep sea. Laboratory time is divided between field trips to the Oregon Coast and observation of living marine organisms. Three one-hour lectures and one four-hour laboratory period.

**Credits: 5**

**Prerequisite:** BI 212 and BI 213 or consent of instructor

**Corequisite:** BI 361L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 361L Lab: Marine Ecology

To be taken concurrently with BI 361.

**Credits: 0**

**Corequisite:** BI 361

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 370 Humans and the Environment

The study of how humans interact with their environment and the effect of the environment on human society. Topics include climate change, biodiversity, human population growth, environmental health, pollution, toxicology, agriculture, and forest management. Emphasis placed on ecological principles, scientific inquiry, and developing awareness of individual impact and agency in the context of environmental challenges. Three hours lecture and one three-hour laboratory including field trips. Does not apply toward biology major.

**Credits: 4**

**Prerequisite:** BI 101 or BI 102 or BI 211 or ES 106 or consent of instructor; MTH 101, MTH 105Z, MTH 110, or MTH 111Z with a grade of C or better highly recommended

**Corequisite:** BI 370L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is

earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge Science, Technology, and Society**

## BI 370L Lab: Humans and the Environment

To be taken concurrently with BI 370.

**Credits: 0**

**Corequisite:** BI 370

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 371 Structure of Seed Plants

The morphology, anatomy and reproduction of seed plants from an evolutionary perspective.

Two lectures and two three-hour laboratory periods.

**Credits: 4**

**Prerequisite:** BI 213 or consent of instructor

**Corequisite:** BI 371L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 371L Lab: Structure of Seed Plants

To be taken concurrently with BI 371.

**Credits: 0**

**Corequisite:** BI 371

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 406 Individual Study

Academic study of a specialized topic arranged with a supervising faculty member. Independent study may involve a library research project, an experimental research project or an in-depth analysis of a specific topic. Terms and hours to be arranged with instructor approval.

May be repeated for up to 16 credits.

Eligible for the RP grade option.

**Credits: 1-15**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 407 Seminar

Discussion-based course focused on selected topics in biology arranged with a supervising faculty member. Emphasizes critical reading, analysis and synthesis of ideas from scientific papers and other resources. Terms and hours to be arranged with instructor approval.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-15**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 408 Workshop

Hands-on course focused on learning selected skills, concepts, or competencies, arranged with a supervising faculty member. May also include lectures or discussions. Terms and hours to be arranged with instructor approval.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-15**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 409 Practicum

An experiential course that involves the observation and documentation of how professionals work in their field of practice. The course may include the opportunity to participate in tasks under supervision. Terms and hours to be arranged with instructor approval. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-9**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 419 Biology Teaching Practicum

This is a 2-credit course focusing on

# Course Descriptions

current research and issues in scientific teaching designed to improve communication and teaching skills of future science professionals. The course will provide students with perspectives on science education in U.S. and worldwide and research-based tools for improving their own teaching and communication skills. Practicum students will engage in a teaching experience and be supported by peers and professors in a weekly seminar to explore research-based tools for improving teaching and communication skills. May be repeated once for credit.

**Credits: 2**

**Prerequisite:** *Consent of instructor and one of the following: BI 101, BI 102, BI 103, BI 134, BI 135, BI 211, BI 212, BI 213, BI 234, BI 235, or BI 236*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 424 Human Dissection

A study of gross anatomy of the human body through the dissection of a cadaver.

**Credits: 2**

**Prerequisite:** *BI 334 with a grade of C or better or consent of instructor*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 425 Ornithology

Investigates the evolution, anatomy, physiology, ecology, diversity, behavior, and conservation of birds. Emphasizes the ecology and evolutionary relationships of birds. Laboratory will emphasize field methods and approaches to studying birds, along with observations of living and preserved specimens in both the

laboratory and in the field.

Three hours of lecture (or equivalent) and four hours of laboratory per week.

**Credits: 5**

**Prerequisite:** *BI 211, BI 212, and BI 213, or BI 317, or consent of instructor*

**Corequisite:** *BI 425L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 425L Lab: Ornithology

To be taken concurrently with BI 425.

**Credits: 0**

**Corequisite:** *BI 425*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 426 Genes and Development

Development of model organisms will be examined with an emphasis on cell interactions, gene function, signaling pathways, and molecular techniques necessary to answer basic questions in current development biology.

Three hours of lecture and one four-hour laboratory per week.

**Credits: 4**

**Prerequisite:** *BI 314 and BI 315 and one year of Chemistry, or consent of instructor*

**Corequisite:** *BI 426L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 426L Lab: Genes and Development

To be taken concurrently with BI 426.

**Credits: 0**

**Corequisite:** *BI 426*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 432 Immunology

A course on immune mechanisms, including the nature of antigens, antibodies and their interactions, the anatomy, cell biology, genetics, regulation, diseases of mammalian immune system and the use of antibodies as tools in the clinical and research laboratory.

Three lectures and one two-hour laboratory.

**Credits: 4**

**Prerequisite:** *BI 314, BI 315 and CH 222 or consent of instructor*

**Corequisite:** *BI 432L*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 432L Lab: Immunology

To be taken concurrently with BI 432.

**Credits: 0**

**Corequisite:** *BI 432*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 434 Comparative Animal Physiology

A comparative analysis of animal physiology, emphasizing how different kinds of animals work and why they have evolved to work the way they do. Animal physiology at the level of the cell, the organ system and the organism will be discussed. Included in this course will be an examination of various aspects of human physiology. Three one-hour lectures and one three hour laboratory per week.

**Credits: 4**

**Prerequisite:** *BI 211, BI 212 and BI*



# Course Descriptions

*213 or consent of instructor*

**Corequisite:** BI 434L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 434L Lab: Comparative Animal Physiology

To be taken concurrently with BI 434.

**Credits:** 0

**Corequisite:** BI 434

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 437 Neurobiology

Introduction to fundamental concepts in neurobiology. Content includes the anatomy and physiology of neurons, the molecular basis of cell communication and the emergent properties of nervous systems. Integrated topics include animal behavior, research methods and drugs used in neurobiology research. Learning will take place using lectures, demonstrations, simulations, and discussions of outside readings. Four hours of class meetings per week.

**Credits:** 4

**Prerequisite:** BI 315 and BI 315L may be taken concurrently with BI 437, CH 223, or consent of instructor.

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 441 Human Heredity

Basic principles of human inheritance, including patterns of traits, chromosomes, sex determination, how DNA is connected to traits, and DNA

technology used for diagnostics. May not be used in a degree in addition to BI 314, Introductory Genetics. BI 541 is designed for graduate students in education or related fields. Four hours of lecture per week. Does not apply toward biology majors/minors.

**Credits:** 4

**Prerequisite:** BI 102 or BI 211 or consent of instructor; MTH 095 or MTH 101 with a grade of C- or better (or equivalent), highly recommended

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge Science, Technology, and Society**

## BI 451 Invertebrate Zoology

A systematic study of invertebrates, with a comparative approach to anatomy, physiology, behavior, life history and evolution. Emphasizes the relatedness of structure and function and focuses on the adaptations of these animals to their environments. Observation of living marine invertebrates is emphasized in the lab. Three one-hour lectures and one four-hour laboratory period.

**Credits:** 5

**Prerequisite:** BI 211, BI 212, and BI 213 or consent of instructor

**Corequisite:** BI 451L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 451L Lab: Invertebrate Zoology

To be taken concurrently with BI 451.

**Credits:** 0

**Corequisite:** BI 451

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## BI 453 Marine Vertebrates

Investigates the anatomy, physiology, behavior and ecology of marine vertebrates, focusing on challenges unique to the marine environment. Students will compare marine fish, reptiles, birds and mammals in exploration of different topics. Current issues such as overfishing and effects of marine pollutants will be included. Four lecture hours.

**Credits:** 4

**Prerequisite:** BI 211, BI 212, and BI 213 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 454 Plant Ecology

Focuses on the patterns of distribution and abundance of organisms in space and through time. Explores the underlying causes, both natural and anthropogenic, of these patterns at the population, community and ecosystem levels for a variety of plants and ecosystems. In the lab, students will engage in nearly all phases of ecological research. Emphasis will be placed on learning to effectively communicate ecological concepts in writing to a non-scientific audience. Three hours of lecture and one four-hour laboratory, which may include trips to field sites.

**Credits:** 5

**Prerequisite:** BI 211, BI 212, BI 213, MTH 111Z and completed General Education writing requirement

**Corequisite:** BI 454L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

# Course Descriptions

## BI 454L Lab: Plant Ecology

To be taken concurrently with BI 454.

**Credits: 0**

**Corequisite:** BI 454

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 457 Special Topics in Biology

I

An in-depth exploration of a special topic in selected areas of biology. Eligible for the RP grade option. Lecture, laboratory and field trips may also be scheduled.

**Credits: 3-6**

**Prerequisite:** BI 211, BI 212 and BI 213 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 458 Special Topics in Biology

II

An in-depth exploration of a special topic in selected areas of biology. Eligible for the RP grade option. Lecture, laboratory and field trips may also be scheduled.

**Credits: 3-6**

**Prerequisite:** BI 211, BI 212 and BI 213 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 459 Special Topics in Biology

III

An in-depth exploration of a special topic in selected areas of biology. Eligible for the RP grade option. Lecture, laboratory and field trips may

also be scheduled.

**Credits: 3-6**

**Prerequisite:** BI 211, BI 212 and BI 213 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 460 Special Topics in Biology

IV

An in-depth exploration of a special topic in selected areas of biology. Eligible for the RP grade option. Lecture, laboratory and field trips may also be scheduled.

**Credits: 3-6**

**Prerequisite:** BI 211, BI 212 and BI 213 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 461 Conservation Biology

Introduction to the principles and practices of conservation biology. Topics include biodiversity, extinctions, habitat fragmentation, restoration ecology, impacts of invasive species and sustainability, among others. Emphasis placed on subjects pertinent to Oregon and temperate regions. Two 80-minute lectures plus three field trips.

**Credits: 4**

**Prerequisite:** BI 101 or BI 212 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the

Satisfactory/No Credit grading option.

## BI 474 Biology of Insects

Focuses on the anatomy, physiology, behavior and life history strategies of insects. Also examines the evolutionary relationships and diversity of this most varied group of animals. A significant portion of the lab period is spent in the field.

Three one-hour lectures and one four-hour laboratory period.

**Credits: 5**

**Prerequisite:** BI 212 or consent of instructor

**Corequisite:** BI 474L

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Biology major. If you elect S/NC grading the course cannot be used to meet Biology requirements even if a grade of S is earned.

If you are in a major other than Biology you are eligible to choose the Satisfactory/No Credit grading option.

## BI 474L Lab: Biology of Insects

To be taken concurrently with BI 474.

**Credits: 0**

**Corequisite:** BI 474

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## BI 507 Seminar

Discussion-based course focused on selected topics in biology arranged with a supervising faculty member. Emphasizes critical reading, analysis and synthesis of ideas from scientific papers and other resources. Terms and hours to be arranged with instructor approval.

May be repeated for up to 9 credits. Eligible for the RP grade option.

**Credits: 1-9**

**Prerequisite:** Consent of instructor

## BI 519 Biology Teaching Practicum

This is a 2-credit course focusing on current research and issues in scientific teaching designed to improve communication and teaching skills of future science professionals. The

# Course Descriptions

course will provide students with perspectives on science education in U.S. and worldwide and research-based tools for improving their own teaching and communication skills. Practicum students will engage in a teaching experience and be supported by peers and professors in a weekly seminar to explore research-based tools for improving teaching and communication skills. May be repeated once for credit.

**Credits: 2**

**Prerequisite:** *Consent of instructor and one of the following: BI 101, BI 102, BI 103, BI 134, BI 135, BI 211, BI 212, BI 213, BI 234, BI 235, or BI 236*

## BI 541 Human Heredity

Basic principles of human inheritance, including patterns of traits, chromosomes, sex determination, how DNA is connected to traits, and DNA technology used for diagnostics. Not open for credit to biology majors or biology minors; may not be used in a degree in addition to BI 314, Introductory Genetics. BI 541 is designed for graduate students in education or related fields. Four hours of lecture per week.

**Credits: 4**

**Prerequisite:** *BI 102 or BI 211 or consent of instructor; MTH 095 or MTH 101 with a grade of C- or better (or equivalent), highly recommended*

## BI 553 Marine Vertebrates

Investigates the anatomy, physiology, behavior and ecology of marine vertebrates, focusing on challenges unique to the marine environment. Students will compare marine fish, reptiles, birds and mammals in exploration of different topics. Current issues such as overfishing and effects of marine pollutants will be included. Four lecture hours.

**Credits: 4**

**Prerequisite:** *BI 211, BI 212, and BI 213 or consent of instructor*

## BI 554 Plant Ecology

Focuses on the patterns of distribution and abundance of organisms in space and through time. Explores the underlying causes, both natural and anthropogenic, of these patterns at the

population, community and ecosystem levels for a variety of plants and ecosystems. In the lab, students will engage in nearly all phases of ecological research. Emphasis will be placed on learning to effectively communicate ecological concepts in writing to a non-scientific audience. Three hours of lecture and one four-hour laboratory, which may include trips to field sites.

**Credits: 5**

**Prerequisite:** *BI 211, BI 212, BI 213, MTH 111Z and completed General Education writing requirement*

**Corequisite:** *BI 554L*

## BI 554L Lab: Plant Ecology

To be taken concurrently with BI 554.

**Credits: 0**

**Corequisite:** *BI 554*

## BI 558 Field Biology

Systematics, life histories and field methods in selected areas of biology. Eligible for the RP grade option. Lecture, laboratory and field trips to be scheduled.

**Credits: 3-6**

**Prerequisite:** *BI 211, BI 212, and BI 213 or consent of instructor*

**Corequisite:** *BI 558L*

## BI 558L Lab: Field Biology

To be taken concurrently with BI 558.

**Credits: 0**

**Corequisite:** *BI 558*

## BI 561 Conservation Biology

Introduction to the principles and practices of conservation biology. Topics include biodiversity, extinctions, habitat fragmentation, restoration ecology, impacts of invasive species and sustainability, among others. Emphasis placed on subjects pertinent to Oregon and temperate regions. Two 80-minute lectures plus three field trips.

**Credits: 4**

**Prerequisite:** *BI 101 or BI 212 or consent of instructor*

## BI 606 Special Individual Studies

Academic study on a specialized topic arranged with a supervising faculty member. Independent study may involve a library research project, an experimental research project or an in-depth analysis of a specific topic. Terms and hours to be arranged with instructor approval.

May be repeated for up to 15 credits. Eligible for the RP grade option.

**Credits: 1-9**

**Prerequisite:** *Consent of instructor*

## BI 624 Human Dissection

Advanced study of the gross anatomy of the human body through the dissection of a cadaver. The exact number of credits will be determined by the background of the student and goals agreed upon by the student and instructor.

**Credits: 2-5**

**Prerequisite:** *Graduate standing and consent of instructor*

## CA 199 Special Studies

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CA 320 Documenting Society

Students will learn the basics of documentary style film making. This includes studying and analyzing existing films, learning the techniques of filming and editing, and creating short documentary projects to impact the surrounding community.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## CA 399 Special Studies

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## CA 401 Teaching Creatively and Collaboratively in the Arts

Integrates art, music, theatre and dance with other subject areas to demonstrate creative and collaborative teaching strategies for classroom teachers.

**Credits: 9**

**Prerequisite:** *Minimum of nine hours in one creative art area (music, art, theatre or dance) or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CA 404 Creative Production Capstone

In teams or individually, students enrolled in CA 404 Creative Production Capstone work with faculty mentors to plan, execute, and reflect upon a multifaceted creative project. Possible projects may include (but are not limited to) multimedia live performances, short films, original music videos, network-based artworks, etc. Pending instructor approval, a project may span multiple academic terms.

May be repeated three times for credit.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CA 406 Special Individual Studies

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CA 407 Seminar

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CA 408 Workshop

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CA 409 Practicum

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 103 Allied Health Chemistry

This 5 credit chemistry course is designed for students interested in the health sciences professions, such as nursing, and for students minoring in Medicinal Chemistry and Pharmacology: Health and Community Track or Forensic Science: Non-Chemistry Majors. This course combines the fundamentals of general chemistry, organic chemistry and biochemistry as applied to the health professions. General chemistry concepts include atomic bonding, measurements, stoichiometry and solutions chemistry, as well as pH and acid-base chemistry. The course is focused on the chemistry of carbon, hydrogen, nitrogen and oxygen containing compounds and examines the structures, properties, nomenclature, reactivity and, in some cases, synthesis of simple organic molecules. The structures and functions of biological macromolecules and common biochemical pathways are also examined as well as their relationship to human health. This course is designed to meet the requirements for pre-nursing curricula and other Allied Health professions majors.

Three lecture hours, one hour recitation, and one two-hour lab section per week.

**Credits: 5**

**Corequisite:** CH 103L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 103L Lab: Allied Health Chemistry

To be taken concurrently with CH 103.

**Credits: 0**

**Corequisite:** CH 103

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 104 Chemistry and the Environment

Introductory course designed to provide the background needed to understand the chemistry behind current environmental issues affecting society. Topics such as air pollution, water pollution, ozone depletion, climate change and energy will be explored.

Three hours of lecture and one two-hour laboratory section per week.

**Credits: 4**

**Corequisite:** CH 104L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 104L Lab: Chemistry and the Environment

To be taken concurrently with CH 104.

**Credits: 0**

**Corequisite:** CH 104

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 105 Consumer Chemistry

Introduction to the fundamental concepts of organic chemistry and how it is applied to our daily lives. Topics will be selected from fuels, energy, polymers, fertilizers, pesticides, food and food additives, household cleaners, cosmetics and personal care chemicals, pharmaceuticals and air and water pollution. Organic chemistry concepts will include an introduction to intermolecular forces and solution dynamics. VESPR and molecular geometry, organic structure, naming and basic chemical reactions.

Three hours of lecture and one two-hour laboratory section per week.

**Credits: 4**

**Corequisite:** CH 105L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 105L Lab: Consumer Chemistry

To be taken concurrently with CH 105.

# Course Descriptions

**Credits:** 0

**Corequisite:** CH 105

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 106 Scientific Advances in Medicine

This is an interdisciplinary class that uses the lens of history and social context to understand major scientific advances and setbacks in the development of medicine. Core topics include ground breaking discoveries such as antibiotic and vaccine development, ethical and legal issues such as the Tuskegee Study, and current technological advances in areas such as stem cell research, individualized medicine, and disease treatment.

Three hours of lecture and one two-hour laboratory section per week.

**Credits:** 4

**Corequisite:** CH 106L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 106L Lab: Scientific Advances in Medicine

To be taken concurrently with CH 106.

**Credits:** 0

**Corequisite:** CH 106

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 150 Preparatory Chemistry

For students majoring in science, pre-professional health studies or pre-engineering who need a refresher or who have not completed the year of high school chemistry required for enrollment in CH 221. Provides background into the language and mathematics necessary for success in the CH 221-223 sequence. Topics include the use of significant figures, the metric system, problem-solving, stoichiometric calculations, solution calculations, nomenclature, electronic structure and periodic trends. No laboratory component. May not be used for credit in a chemistry major.

**Credits:** 3

**Prerequisite:** MTH 095 (or

equivalent), MTH 111Z recommended

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CH 161 Crime Scene Analysis

In this class students are taught the methods of crime scene analysis, evidence collection and the fundamentals of crime scene photography. Photography elements include the use of 35mm Digital Single Lens Reflex (DSLR) cameras to document a simulated crime scene. Topics covered include shutter speeds, apertures and depth of field, ISO settings, electronic flash, and the basics of using Adobe Photoshop as applied to forensic evidence. Correct methods of evidence collection and analysis from a crime scene are also covered.

One lecture and one three hours of laboratory per week.

**Credits:** 4

**Prerequisite:** *Consent of instructor*

**Corequisite:** CH 161L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 161L Lab: Crime Scene Analysis

To be taken concurrently with CH 161.

**Credits:** 0

**Corequisite:** CH 161

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 221 General Chemistry

Rigorous introductory course for students majoring in science. Course covers the Metric System, unit conversions, Quantum Mechanics and the structure of the atom, bonding theories and molecular geometry, intermolecular forces and calculations involving the mole.

Three hours of lecture, one one hour recitation and one three-hour laboratory.

**Credits:** 5

**Prerequisite:** *MTH 111Z equivalency plus one year high school chemistry, or CH 104 with a grade of C or better, or a passing diagnostic placement exam score, or consent of instructor*

**Corequisite:** CH 221L

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 221L Lab: General Chemistry

To be taken concurrently with CH 221.

**Credits:** 0

**Corequisite:** CH 221

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 222 General Chemistry

Course covers empirical and molecular formulas, stoichiometry and limiting reagents, reactions of acids and bases, titrations, precipitation reactions, redox reactions, thermochemistry, enthalpy and calorimetry and the properties of gases and solutions.

Three hours of lecture, one one-hour recitation and one three-hour laboratory.

**Credits:** 5

**Prerequisite:** *CH 221 with a grade of C- or better or consent of instructor*

**Corequisite:** CH 222L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 222L Lab: General Chemistry

To be taken concurrently with CH 222.

**Credits:** 0

**Corequisite:** CH 222

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 223 General Chemistry

# Course Descriptions

Course covers topics in free energy and reaction spontaneity, kinetics and mechanisms, equilibrium and Le Chatelier's Principle, acid-base theory, buffers, electrochemistry, transition metals and topics in nuclear chemistry. Three hours of lecture, one one hour recitation and one three-hour laboratory.

**Credits: 5**

**Prerequisite:** CH 222 with a grade of C- or better or consent of instructor

**Corequisite:** CH 223L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CH 223L Lab: General Chemistry

To be taken concurrently with CH 223.

**Credits: 0**

**Corequisite:** CH 223

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 247 Foundations of Integrative Medicine

This course is designed for students that are interested in learning about the use of integrative medicine to maintain a healthy lifestyle. Topics will include the study of preventive medicine, diet, nutrition, supplementation using herbal and natural remedies; bioenergetics and principles of traditional Chinese medicine; scientific impact of exercise, including weight bearing, cardiovascular and meditative exercises, such as tai chi chuan, qigong and yoga. Experiential, laboratory, and collaborative learning assignments will provide a foundation for developing lifelong healthy living habits.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Health Promotion*

## CH 311 Inorganic Chemistry

Study of the fundamental concepts to understand the diverse chemistry of all elements on the periodic table, and the inorganic molecules, ions, and solids they form. Laboratory work consists of

inorganic and solid state synthesis, and characterization of the products using IR and UV-Vis spectroscopy. Three lectures and one three-hour laboratory each week.

**Credits: 4**

**Prerequisite:** CH 223

**Corequisite:** CH 311L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 311L Lab: Inorganic Chemistry

To be taken concurrently with CH 311.

**Credits: 0**

**Corequisite:** CH 311

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 312 Analytical Chemistry

This is an introductory course in analytical chemistry that focuses on the use of quantitative methods and instrumental analysis to study chemistry questions. Topics include experimental design, sampling, calibration strategies, standardization, optimization, statistics, and the validation of experimental results. Laboratory sections will explore wet analytical techniques such as gravimetry and titrimetry, as well as instrumental techniques, such as spectrophotometry, chromatography, and mass spectrometry.

Three one-hour lectures and one three-hour laboratory.

**Credits: 4**

**Prerequisite:** CH 223

**Corequisite:** CH 312L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 312L Lab: Analytical Chemistry

To be taken concurrently with CH 312.

**Credits: 0**

**Corequisite:** CH 312

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 313 Instrumental Analysis

A study of the use of instrumental methods for quantitative determinations of unknown chemical

samples.

Three lectures and one three-hour laboratory.

**Credits: 4**

**Prerequisite:** CH 312, MTH 251 and either PH 203 or PH 213

**Corequisite:** CH 313L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 313L Lab: Instrumental Analysis

To be taken concurrently with CH 313.

**Credits: 0**

**Corequisite:** CH 313

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 320 Introduction to Forensic Science

An introduction into the theory and practice of physical evidence analysis. Topics include the recognition, identification and evaluation of physical evidence such as hairs, fibers, drugs, blood, semen, glass, soil, fingerprints and documents.

Three one hour lectures and one three hour lab per week.

**Credits: 4**

**Prerequisite:** CH 103 or CH 223

**Corequisite:** CH 320L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 320L Lab: Introduction to Forensic Science

This laboratory course explores the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. By the end of term, students will be familiar with methodologies to collect and evaluate a wide array of crime scene evidence including hair, fibers, paint, soil, glass, fingerprints, ballistics, DNA fingerprinting, toxicology and drugs, arson and explosives, and serology.

**Credits: 0**

**Prerequisite:** CH 103 or CH 223

**Corequisite:** CH 320

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## CH 322 Medicinal Chemistry and Pharmacology

Surveys the general mechanisms underlying the effects of drug compounds on biological organ systems. Topic areas include: the investigation of different drug classes and their biological targets, the behavior of drugs within the body, drug discovery and design and the principles of cardiovascular, endocrine and neuropharmacology.

**Credits: 4**

**Prerequisite:** CH 103; or CH 334 and BI 102 or BI 211; or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 334 Organic Chemistry

Covers the organic chemistry of alkanes and alkyl halides emphasizing their structures, properties and reactions.

Three lecture hours and one three-hour lab section per week.

**Credits: 4**

**Prerequisite:** CH 223 or consent of instructor

**Corequisite:** CH 334L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 334L Lab: Organic Chemistry

To be taken concurrently with CH 334.

**Credits: 0**

**Corequisite:** CH 334

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 335 Organic Chemistry

Course will cover elimination, addition, oxidation-reduction, radical reactions and spectroscopic structure determination.

Three one-hour lectures and one three-hour lab per week.

**Credits: 4**

**Prerequisite:** CH 334 with a grade of C- or better

**Corequisite:** CH 335L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 335L Lab: Organic Chemistry

To be taken concurrently with CH 335.

**Credits: 0**

**Corequisite:** CH 335

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 336 Organic Chemistry

Course covers the organic chemistry of carbonyl compounds, carboxylic acids, carboxylic acid derivatives and amines emphasizing their structures, properties, reactions, syntheses and spectroscopic properties.

Three one-hour lectures and one three-hour lab section per week.

**Credits: 4**

**Prerequisite:** CH 335 with a grade of C- or better

**Corequisite:** CH 336L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 336L Lab: Organic Chemistry

To be taken concurrently with CH 336.

**Credits: 0**

**Corequisite:** CH 336

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 345 Introduction to Toxicology

Surveys general mechanisms underlying the effects of toxic compounds on biological systems. Topics covered include: poisons and toxic agents, biotransformation of xenobiotics, reproductive toxicology and teratology, analytical/forensic toxicology, chemical carcinogenesis and molecular toxicology.

**Credits: 3**

**Prerequisite:** CH 103; or CH 334 and BI 102; or CH 334 and BI 211; or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** Science, Technology, and Society

## CH 350 Chemical Literature

A study of the methods of searching the chemical literature. One class meeting per week.

**Credits: 1**

**Prerequisite:** CH 335 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 361 Energy, Resources and the Environment

A study of the current development and utilization of energy and power, implications of the finite resources, impact on the environment and alternatives. Global awareness of critical issues and the societal responsibilities to share research, resources and expertise will be highlighted.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** Citizenship, Social Responsibility, and Global Awareness

## CH 365 Materials Chemistry

This course is designed for students majoring in chemistry, biochemistry, and engineering. It provides an overview in materials chemistry and focuses on applications of chemistry concepts in materials science. Topics covered include types of materials, material structures and structural characterization, electronic structures and chemical bonding in solids, physical and chemical properties of materials, phase transitions, synthesis of materials, and frontiers of materials chemistry research.

Three one-hour lectures and one three-hour laboratory section per week.

**Credits: 4**

**Prerequisite:** CH 223, and PH 203 or PH 213; or CH 223, and co-enrollment in PH 203 or PH 213; or consent of the instructor

**Corequisite:** CH 365L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## CH 365L Lab: Materials Chemistry

To be taken concurrently with CH 365.  
**Credits: 0**  
**Corequisite:** CH 365  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 370 Selected Topics in Chemistry

An introduction to contemporary topics in chemistry.  
**Credits: 1-3**  
**Prerequisite:** *Consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 401 Research

Terms and hours to be arranged.  
May be repeated for credit.  
**Credits: 1-3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 407 Seminar

Group study and discussions concerning frontiers of chemistry, current research problems and interaction of chemistry with other disciplines. Students will be required to present a seminar.  
May be repeated for up to 16 credits.  
**Credits: 1**  
**Prerequisite:** CH 350  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 409 Practicum

Terms and hours to be arranged.  
May be repeated for up to 16 credits.  
**Credits: 1-9**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 420 Forensic Laboratory Techniques and Documentation

The applications of chemistry and biology to the analysis of physical evidence. Topics will be serology, analysis of arson debris, drugs, explosive residues, gunshot residues,

papers and inks, paint chips and DNA. Laboratory techniques will include gas chromatography, HPLC, mass spectroscopy, atomic absorption spectroscopy, electrophoresis, infrared spectroscopy, liquid and thin-layer chromatography, basic and polarized light microscopy, PCR-multiplexing and DNA fingerprinting technologies. Technical writing skills pertinent to the presentation of physical evidence in a court of law will be addressed. The course will meet for 4 hours per week using a combination of lecture and laboratory experimentation as required.  
Two lectures and two laboratory periods per week.  
**Credits: 4**  
**Prerequisite:** BI 211 and CH 334; or *consent of instructor*  
**Corequisite:** CH 420L  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 420L Lab: Forensic Laboratory Techniques and Documentation

To be taken concurrently with CH 420.  
**Credits: 0**  
**Corequisite:** CH 420  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 430 Applications of Forensic Science

Hands-on examination of subjects in modern forensic science. Topics may include fingerprinting, tool marks and impressions, hair and fiber analysis, glass comparisons, soil and pollen analysis, bullet and cartridge analysis, serial number restoration, toxicology, arson, explosives, blood analysis, evidence collection or related subjects. Will be taught as topic modules incorporating both lecture and laboratory practice as appropriate.  
**Credits: 3**  
**Prerequisite:** CH 320 or *consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 440 Physical Chemistry I

A study of the laws of thermodynamics with emphasis on their application to

chemical systems. Topics may include: thermo-chemistry, equation of states, kinetic-molecular theory, free energy and chemical equilibrium.  
Three one-hour lectures and one three-hour lab per week.  
**Credits: 4**  
**Prerequisite:** CH 223, PH 203 or PH 213; or *consent of instructor*  
**Corequisite:** CH 440L  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 440L Lab: Physical Chemistry I

To be taken concurrently with CH 440.  
**Credits: 0**  
**Corequisite:** CH 440  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 441 Physical Chemistry II

A study of solutions, heterogeneous equilibria, electrochemistry, chemical kinetics, elementary quantum and statistical mechanics.  
**Credits: 3**  
**Prerequisite:** CH 440 and MTH 254  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 442 Physical Chemistry III

A study of molecular structure and bonding, electronic structure of atoms and molecules, rotational, vibration and electronic spectra of molecules.  
**Credits: 3**  
**Prerequisite:** CH 441  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 450 Biochemistry I

A study of the chemistry of the individual subunits used to construct biological macromolecules and the chemical bonding within the macromolecules. Emphasis will be placed on the structure and function of nucleic acids and proteins. Three one hour lectures and one three hour lab per week.  
**Credits: 4**  
**Prerequisite:** CH 336 or *consent of instructor*



# Course Descriptions

**Corequisite:** CH 450L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 450L Lab: Biochemistry I

To be taken concurrently with CH 450 .

**Credits:** 0

**Corequisite:** CH 450

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 451 Biochemistry II

The study of the function of biological macromolecules with emphasis on the mechanisms of protein ligand binding, metabolic pathways and regulatory enzyme mechanisms.

**Credits:** 3

**Prerequisite:** CH 450

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 461 Experimental Chemistry

This advanced laboratory-based course provides opportunities for students to engage in scientific research. Topics may utilize methodologies from any of the five major fields of chemistry, including biochemistry, analytical chemistry, inorganic chemistry, physical chemistry, or organic chemistry. Students will apply their knowledge of scientific communication in both written and oral formats.

One three-hour laboratory.

**Credits:** 3

**Prerequisite:** CH 312 and CH 350

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 462 Experimental Chemistry

An advanced laboratory course that utilizes the skills developed in the general, organic, analytical, instrumental and chemical literature courses in more advanced investigations. There is a significant writing component that requires extensive use of the chemical literature.

**Credits:** 3

**Prerequisite:** CH 312 and CH 350

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 463 Experimental Chemistry

An advanced laboratory course in physical chemistry involving experimental determination of thermodynamic quantities such as enthalpy, entropy, free energy, equilibrium constant as well as quantum mechanical calculations investigating molecular properties and harmonic potentials.

**Credits:** 3

**Prerequisite:** Concurrent enrollment in or completion of CH 313 and CH 442

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CH 550 Biochemistry I

A study of the chemistry of the individual subunits used to construct biological macromolecules and the chemical bonding within the macromolecules. Emphasis will be placed on the structures of carbohydrates, nucleic acids and proteins.

Three one-hour lectures and one three-hour lab per week.

**Credits:** 4

**Prerequisite:** CH 336 or consent of instructor

**Corequisite:** CH 550L

## CH 550L Lab: Biochemistry I

To be taken concurrently with CH 550.

**Credits:** 0

**Corequisite:** CH 550

## CH 551 Biochemistry II

The study of the function of biological macromolecules with emphasis on the mechanisms of protein ligand binding, metabolic pathways and regulatory enzyme mechanisms.

**Credits:** 3

**Prerequisite:** CH 550

## CH 552 Biochemistry Lab

An introduction to the basic laboratory techniques used in biochemistry. Topics will include electrophoresis, spectrophotometry, chromatography, centrifugation techniques and protein purification. A research project will be

required for graduate credit.

One hour lecture and one four-hour laboratory.

**Credits:** 3

**Prerequisite:** CH 336, CH 450 and MTH 251 (or equivalent) or consent of instructor

## CH 670 Selected Topics in Chemistry

In-depth coverage of selected current problems in chemistry research: analytical, biological, inorganic, organic or physical chemistry.

**Credits:** 1-3

**Prerequisite:** Consent of instructor

## CJ 199 Special Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits:** 1-4

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 212 History and Development of American Law Enforcement

Course surveys the historical development of American law enforcement, focusing on the social, political and organizational dynamics that helped to shape this critical institution. Covers the four major models of American policing: colonial, political, reform, professional and service models. Course provides a historical foundation for other courses in the law enforcement major.

**Credits:** 4

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 213 Introduction to Criminal Justice

A multidisciplinary approach to administration, procedures and policies of agencies of government charged with the enforcement of law, the adjudication of criminal behavior and the correction/punishment of criminal and deviant behavior.

**Credits:** 4

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** Social,

# Course Descriptions

## *Historic, and Civic Perspectives*

### **CJ 214 The Juvenile Justice System**

In this course students acquire a broad review of juvenile offending and major perspectives of the juvenile justice system. The course covers 1) Introduction (Historical Background, Juvenile Justice Agencies and Philosophy in the Juvenile Justice System, Measuring Juvenile Crime, and Causes of Juvenile Crime) 2) Police and Juvenile Offenders 3) Juvenile Courts, and 4) Juvenile Corrections from diverse perspectives.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

### **CJ 219 Ethics and Leadership in Criminal Justice**

Major ethical theories relevant to criminal justice and social service institutions are examined. Emphasis is placed on ethical practices and dilemmas that affect practitioners as they endeavor to provide public services.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

### **CJ 220 Introduction to Homeland Security**

In this course, students will be introduced to the strategies and skills necessary to help U.S. local governments and their communities become more effective in creating vigilant, prepared and resilient communities for homeland security. This course introduces students to the central elements of terrorism, the all hazards approach, community policing and homeland security. Students will learn the differences between national security and homeland security, federal jurisdictions and state and local jurisdictions. During this course, students will have the opportunity to learn, demonstrate, and use these strategies and skills through a

blended, adult-learning approach that includes classroom discussion, problem-based learning (PBL), hands on activities, and practical demonstrations.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

### **CJ 225 Substance Abuse: Causes, Enforcement, Prevention**

Introduction to the causes of substance use and abuse in U.S. society, the enforcement of drug and alcohol abuse and contemporary modalities of prevention and treatment of substance abuse. Theories of substance abuse will be reviewed and the effectiveness of current enforcement practices will also be discussed.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

### **CJ 241 Introduction to Community Crime Prevention**

Opportunity to explore the history, philosophy, theory and application of community crime prevention programs. Students will examine research and programs in law enforcement, the courts, corrections, higher education and community-based organizations.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

### **CJ 244 Comparative Criminal Justice**

Criminal justice systems from around the world are compared and contrasted.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

### **CJ 245 GIS Maps and Spatial Information**

Introduces the cartographic principles needed to understand geographic

information science. Will explore global reference and coordinate systems, maps and generalization, types of maps: reference, thematic, topographic, aerial photography and GIS. Students will be introduced to ArcMap. Assumes students have no prior knowledge about GIS. Serves as a foundation course in the Criminal Justice GIS sequence.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

### **CJ 252 American Courts**

Examination of various courts within the United States to include a review of criminal courts at both the state and federal level, civil courts, family court, juvenile courts and the U.S. Supreme Court. This course will focus on case law and the judicial branch of government.

**Credits: 4**

**Prerequisite:** *CJ 213*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

### **CJ 267 Social Research Writing**

Students propose, research, and write an independent research project relating to the theme of the course. Themes rotate but with a consistent social justice focus that examines the structures of and interrelationships between subcultures and mainstream society. Prepares students for writing longer academic papers by developing strong research, analysis, and synthesis skills; introduces them to APA documentation format with increased emphasis on academic vocabulary and style.

**Credits: 4**

**Prerequisite:** *WR 122Z*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

### **CJ 310 Report Writing**

Focuses on workplace writing in the criminal justice system. Students will learn to write various types of police and correctional reports with emphasis on grammar competence and developing strategies for the particular

# Course Descriptions

writing demands of CJ professions.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 311 Community-Oriented Crime Prevention

This course is designed to bring integrative knowledge to build community-oriented crime prevention within and beyond criminal justice. Students will examine crime conditions in the U.S. (data analysis), evaluate existing prevention models across the nations, and apply/develop feasible prevention strategies that are responsive to the particular needs (or demographics) of a community.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## CJ 320 Operations Administration in Homeland Security Practices

Second in a series of three courses (CJ 220, CJ 320 and CJ 420). Course teaches students the skills needed to develop collaborative community action plans for homeland security (i.e. natural and man-made disasters, crime and social deviance, acts of terrorism and community enhancement).

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 321 Principles of Forensic Investigations

Course is designed for students studying forensic science and non-criminal justice majors. A study of the history, philosophy and theory of the use of physical evidence in the U.S. criminal justice system.

**Credits: 4**

**Prerequisite:** *CJ 213*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 322 Forensic Anthropology

Examines the role of the forensic anthropologist and history of the discipline. Students become familiar with the goals, techniques and broader applications of forensic anthropology. Meets for four hours per week following an integrated lecture-lab format with 40% of the scheduled class time dedicated to experiential lab-oriented exercises.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## CJ 327 Research Methods in Criminal Justice

Opportunity to learn, understand and apply social research methods to issues germane to the discipline of criminal justice. Emphasis on the relationships of theory to research, measurement, research design, hypothesis testing, sampling and implications of research for social polity.

**Credits: 4**

**Prerequisite:** *CJ 213*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 328 Forensic Osteology

Hands-on experience in identification of complete and fragmentary human skeletal and dental remains. Topics will also include growth and development of osseous and dental structures, variation in osseous tissues and modification of these tissues through traumatic, pathologic and taphonomic factors.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 331 Police and Community: Policy Perspective

Broad review of contemporary American crime control policies and their relationship to community needs and citizen expectations. Emphasis on the influences that politics (i.e. minority groups, advocacy groups, etc.), culture, economics and bureaucracy

have on policy development.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## CJ 333 Forensic DNA Analysis

Introduction to DNA analysis methods, historical and current forensic science testing and forensic anthropology research. Genetics, inheritance, DNA biochemistry are discussed and applied.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 341 Introduction to GIS

Second in the GIS sequence. Focus is on the development of skills and techniques used to create, analyze and display spatial data in a geographic information system. Students will focus on spatial queries, data joins, data editing, geocoding (address matching) and analysis of raster data. Students will participate in a team project to focus on applying GIS mapping and analysis skills to evaluate existing community hazard evacuation routes and propose alternative scenarios to improve hazard evacuations. Course is cross-listed with ES 341 and GEOG 341 .

**Credits: 4**

**Prerequisite:** *CJ 245*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 342 Strategic Crime Analysis with GIS

Third in the GIS sequence. Focus is on specific applications for GIS in data-led policing. Students will use two software applications, ArcGIS and CrimeStat III to analyze and visualize core theories in criminology. The class will use GIS to examine early theories of: social disorganization, broken windows, environmental criminology and geographic profiling. Also focuses on statistical approaches for crime analysis using GIS, e.g., hot spot

# Course Descriptions

analysis, kernel density estimation, distance analysis and spatial distribution.

**Credits: 4**

**Prerequisite:** *CJ 341*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 344 Comparative Juvenile Justice Systems

Using the justice systems of the United States and other countries as case studies, this course will examine a wide variety of juvenile justice practices, the contemporary form of juvenile corrections being practiced around the globe, with the aim to understand the benefits and problems. This course will offer students an opportunity to study the leading juvenile justice practices to explore what works best in responding to youth crime more holistically and improve desistance from youth offending. The goal is to increase students' knowledge of how different cultures have utilized juvenile justice in relation to vast cultural differences. Moreover, one of the ultimate objectives of this class is to encourage students to critically examine if, how, and whether effective international practices could be adopted here in the United States.

**Credits: 4**

## CJ 345 Justice Systems Across Cultures

Using the justice systems of the United States and other countries as case studies, this course will examine a wide variety of justice practices, the contemporary forms of corrections being practiced around the globe, with the aim to understand the benefits and problems. This course will offer students an opportunity to study the leading justice practices to explore what works best in responding to crime more holistically and improve desistance from offending from diverse global perspectives. The goal is to increase students' knowledge of how different cultures have utilized the administration of justice in relation with vast cultural differences. Moreover, one of the ultimate objectives of this class is to encourage students to critically examine if, how, and whether effective international practices could

be adopted here in the United States.

**Credits: 4**

## CJ 351 Police Organization & Administration

Organizational and management principles; the administrative process in law enforcement agencies; the relationship of theoretical administrative concepts to the practical police environment.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 352 Criminal Law

Examines the sources and application of substantive criminal law. Students will learn to locate, interpret and apply municipal ordinances, state statutes, common federal law and how to find and research statutes.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 372 Social Constructions of Race

Provides an anthropological perspective on how race has been used to examine variation among humans. Topics include the development of the concept of race, the role of science in upholding and abolishing racial categories, human variation through biocultural evolution and an examination of racism as part of a system of oppression in modern day life and the criminal justice system.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## CJ 403 Field Study

Terms and hours to be arranged. May be repeated for up to 9 credits.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*  
**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## CJ 406 Independent Studies

Terms and hours to be arranged. May be repeated for up to 9 credits.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 407 Senior Capstone Seminar

This course uses professional writing skills development to help students synthesize and apply concepts and theories learned from prior coursework in the criminal justice program.

Through writing in this capstone course students will be required to create a final research paper at the end of the course that reflects their clear understanding of the relationship between theory and practice in criminal justice. All students are required to complete this course to graduate in criminal justice.

May be repeated for up to 4 credits.

**Credits: 4**

**Prerequisite:** *Senior standing or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 408 Workshop

Term and hours to be arranged. May be repeated for up to 9 credits.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 409 Practicum

Combines hours spent working at criminal justice agencies, with students' own identified academic goals to enhance an understanding of how criminal justice agencies function. Students learn about and are exposed to the ethical practice and professionalism inherent in their chosen practicum agency. Upon completion of practicum, students will be able to describe the role of the practicum agency, understand professional and ethical practices of

# Course Descriptions

criminal justice practitioners, and understand the relationship between the practicum agency and other criminal justice agencies. Students are required to complete 4 credits at 33 hours per credit, and up to 8 credits at 33 hours per credit.

May be repeated for up to 8 credits.

**Credits: 4-8**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 410 Comparative Criminal Investigations

This course provides the opportunity to comparatively explore the world of criminal justice investigations by comparing the approaches used by several vastly different nations to investigate and prosecute crime. Examines similarities and differences between the investigative procedures of the United States and those of other culturally different countries, focusing on the balance between crime control and individual rights under various governmental and cultural systems.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 411 Families and Youth Crime

Examines contemporary families and their linkages to crime from a theoretical and scientific approach. Explores interactions between family life and anti-social behavior. Family factors including family structure, domestic interactions and conflict, intergenerational aspects of criminal behavior, family relationships and socialization as crime promoting or crime prevention mechanisms on members of families will be examined. Further evaluates societal structures in place for dealing with Juvenile and Adult crime and how that contributes to intergenerational and other crimes. Other important concepts to be explored will include gender, race, socioeconomic status, and violence within families as contributors to crime outcomes.

**Credits: 4**

**Prerequisite:** *CJ 213, CJ 214 or consent of instructor*

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## CJ 415 Forensics in the Media

This course introduces students to forensic science through popular media. Students will compare and contrast various forms of popular media to the standard principles and methods associated with the discipline.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 419 Crisis and Principles of Managing Risk in Community Preparedness

Fifth in a series of five (CJ 220, CJ 320, CJ 420 and CJ 437). Introduces students to the strategies and skills necessary to confront community crisis and manage the associated risks that local government and their communities face. Students learn the skills needed to assist communities in becoming more effective in creating a prepared and safe community.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 420 Leadership in Homeland Security

Third in a series of three courses (CJ 220, CJ 320 and CJ 420). Course teaches students how to successfully implement collaborative strategies and community action plans related to homeland security (i.e. planning for or responding to all hazardous events) from an executive or leadership perspective.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 421 Policy Analysis in Criminal Justice

Introduction to the concepts and strategies of policy analysis as they apply to policies and programs within the criminal justice system or related programs of community collaborations. Course is designed to be taken in conjunction with CJ 425.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 422 Community Collaboration and Development

Course offers opportunity to learn the logistics, mechanics and theoretical foundations behind community collaboration development. Course is multidisciplinary appropriate for anthropology, criminal justice, education, geography, history and sociology students who will work or live in communities.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 423 Management of Law Enforcement Organizations

Managerial concepts, administrative principles and supervisory practices for the middle command officer. Law enforcement leadership, policy formulation and application of sound management practices.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 424 Law Enforcement Planning

Planning techniques, development of criminal justice planning, identification of problem areas, causative factors, solutions and alternative strategies, using resources to effect change.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 425 Program Evaluation/Participation

Building on the skills and knowledge acquired in previous courses, this course offers students the opportunity to either: conduct an analytical evaluation of a community

# Course Descriptions

collaboration program, or participate as an ethnographer in a community collaboration program, in one of the following areas: community policing, homeland security, crime prevention, victim assistance, sentencing or reentry, disaster preparedness or community outreach (i.e. homeless, mental illness or poverty).

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 427 Quantitative Methods in Criminal Justice

Course covers the quantitative and qualitative study of crime and crime trends in relation to factors of sociological, demographic, and spatial nature. Experience in utilizing public data and attitudinal surveys for the purpose of analyzing, interpreting, and presenting crime reports in a professional manner.

**Credits: 4**

**Prerequisite:** *CJ 213*, *CJ 327*, or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 431 Microsoft Office for Crime Analysis

Introduces students to Microsoft Office Professional (Access, Excel, Word and PowerPoint) as an investigative tool in criminal justice applications. Students will learn to manage and analyze crime data using Microsoft Access, analyze data and perform complex calculations using Microsoft Excel, create crime bulletins and reports using Microsoft Word and prepare effective presentations using Microsoft PowerPoint.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 433 Criminal Justice and Popular Culture

Focuses on evaluating printed and electronically mass-produced works of fiction, non-fiction and other entertainment and infotainment media as they relate to crime and criminal justice in America. Will explore mass media's fascination with crime and

punishment. Will concentrate on developing a better theoretical understanding of the impact mass-media has on criminal justice discourse and policy.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 435 Gender, Crime and Justice

Examines the differences in the commission of offenses and victimization by gender and addresses gender specific differences in criminality, societal reactions and criminal justice responses by gender.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 436 Minorities, Crime, Social Policy and Social Control

The involvement of minorities, especially African Americans, Hispanics and Native Americans, in crime and the criminal justice system.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 437 Comparative International Homeland Security Programs

Will help students gain the knowledge of analytical frameworks and strategic-level homeland security policies practiced by other countries that may be applicable in the United States. Students will learn how other countries have coped with homeland security-related issues.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 438 Native Americans, Culture and the Criminal Justice System

Improves student understanding of the historical realities that devastate Native Americans. Students examine the Native American experience in the criminal justice system in

contemporary times and gain a greater understanding of complexities faced by Native Americans in retaining their cultural competencies while facing their inclusion in the criminal justice system.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 439 Juvenile Osteology

Hands-on experience in identification of complete and fragmentary juvenile human skeletal and dental remains. Topics will include growth and development of osseous and dental structures through to adulthood.

**Credits: 4**

**Prerequisite:** *ANTH 322* or *CJ 322*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 440 Community Crime Prevention Studies

Multidisciplinary approach to theoretical foundations of issues related to crimes committed in the community and theoretical orientations of various community crime prevention strategies and the implications associated with social policies.

**Credits: 4**

**Prerequisite:** *CJ 213* or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 441 Forensic Archaeology and Taphonomy

Introduction to forensic archaeology or the application of archaeological methods to the resolution of medicolegal issues. Students learn and apply search and recovery techniques. Also introduced to forensic taphonomy or the subfield of forensic anthropology.

**Credits: 4**

**Prerequisite:** *ANTH 322* and *CJ 328*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 442 Readings in Forensic Anthropology

Designed to meet students' special

# Course Descriptions

interests in an area of forensic anthropology. Students will be assigned readings, conduct literary research and present on a variety of special topics within forensic anthropology.

**Credits: 4**

**Prerequisite:** ANTH 322

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 443 Advanced Forensic Anthropology

Forensic anthropology is the application of the techniques of biological anthropology to human skeletal remains of forensic significance. In this course we delve deeper into the methods used in forensic anthropology, and the biological, historical, and methodological theory behind their development. Students will gain practical hands-on experience working with human skeletal materials through analysis and present their findings. Topics may vary but include the history of forensic anthropology as a discipline, forensic search and recovery, taphonomy, and further estimation of age, sex, stature, and ancestry from skeletal remains.

**Credits: 4**

**Prerequisite:** ANTH 322 or CJ 322

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 444 Restorative Justice

Promotes understanding of restorative justice and its principles in a cross-cultural context by exploring the use of restorative justice as a tool within several international justice systems.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 445 Race and Justice

This course engages students in contemporary issues of race and social justice. We start by operationalizing key concepts of race, ethnicity, racism and social justice. We then investigate the historical evolution of race and racism emphasizing a criminological perspective. Finally, we explore

today's most pressing issues surrounding equality, inclusion, civil rights and criminal justice reform. Topics include: eugenics, housing, forensics and medicine, environment, law enforcement and corrections, to name a few.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## CJ 446 Cultural Competency and American Law Enforcement

This course will present the history of racism in America and the origins of policing. Specifically, the course will discuss how the institution of slavery and control of minorities shaped early policing. The course concludes with examination of contemporary strategies for re-envisioning policing as an institution practicing equity, inclusion, diversity, and procedural justice.

**Credits: 4**

**Prerequisite:** CJ 213 or Instructor approval

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 447 Applied Restorative Justice

In this proposed course students will learn to apply the principles of Restorative Justice to real world challenges in the community, juvenile justice, adult corrections, and re-entry/post incarceration. Through studying real life scenarios and collaborative problem-solving students will look at the complexity of the impacts of harm and alternative interventions that are being used in contrast to contemporary mainstream practices. The students will work in groups to encourage collaborative learning and promote diversity of shared voices.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 449 Youth Gangs in American Society

Examines the emergence and proliferation of youth gangs in American society, with an emphasis on theory, policy analysis and social, community and individual impacts. Examines intervention and prevention strategies, employing a systems approach that requires community, agency and institutional collaboration development.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 450 Criminology

A description and analysis of types of crimes, types of criminals and the major theories of crime causation. An examination of past and present incidence rates of crimes; the socioeconomic, cultural and psychological variables related to criminal behavior; and a review of possible solutions to the crime problem.

**Credits: 4**

**Prerequisite:** CJ 213 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 451 Youth, Crime and Society

Offers a review of the nature, distribution and explanations of youth crime, with particular attention given to the historical context of youth crime and the topic of youth gangs. Gender, race, political and official responses to youth crime will be emphasized.

**Credits: 4**

**Prerequisite:** CJ 213 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 452 Criminal Procedure

The concepts of due process and application of the Bill of Rights in criminal law are examined in the light of U.S. Supreme Court decisions. State and federal procedural law is reviewed as well as relevant new

# Course Descriptions

legislation.

**Credits: 4**

**Prerequisite:** *CJ 213 and CJ 252 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 453 Corrections

Considers the evolution of punishment, corrections theories, survey of prison development and administration; education, labor and rehabilitation processes; social groups in the prison community.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 454 Parole and Probation

History of parole and probation; review of contemporary parole and probation theories, practices, processes and research; the future of parole and probation.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 455 Correctional Casework and Counseling

History, development and contemporary practices, theories and techniques of juvenile and adult correctional casework, counseling and treatment.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 456 Contemporary Issues in Criminal Justice

A study of contemporary issues in criminal justice.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 457 Motivational

### Interviewing: Helping People Change

Equips students in the theory, research and practice of Motivational Interviewing (MI) in the correctional system. Course will place equal emphasis on understanding MI and learning how to do MI. Course will consist of a community of practice around skill-based MI clinics where the instructor will demonstrate the methods of MI and then have students practice them. Through training, normative feedback and coaching, students will gain and increase their proficiency in MI.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 459 Victimology

Overview of key research areas in victimology. Students will achieve a critical understanding and appreciation of the development and current state of victimology theory, measurement and empirical results that can be used to inform victims' services and crime prevention.

**Credits: 4**

**Prerequisite:** *CJ 213*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 461 Youth Immigration and Crime

This course will provide an overview of sociological and criminological theories that either support or reject a link between criminality and immigration, especially as it relates to different generation of immigrants and their children. More importantly, it will provide an in depth overview of empirical evidence to assess this claim. The wealth of available evidence suggests that, although there are generational differences among immigrant groups, the link between immigration and crime is little more than a persistent myth and that the children of immigrants are actually less crime prone than their native counterparts.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of*

*instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 463 Topics on Juvenile Issues

Focuses on contemporary juvenile issues (such as child abuse) and other current issues and trends that involve the juvenile, family, school, social agencies and the court.

**Credits: 4**

**Prerequisite:** *Upper division standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CJ 510 Comparative Criminal Investigations

This course provides the opportunity to comparatively explore the world of criminal justice investigations by comparing the approaches used by several vastly different nations to investigate and prosecute crime. Examines similarities and differences between the investigative procedures of the United States and those of other culturally different countries, focusing on the balance between crime control and individual rights under various governmental and cultural systems.

**Credits: 4**

## CJ 515 Forensics in the Media

This course introduces students to forensic science through popular media. Students will compare and contrast various forms of popular media to the standard principles and methods associated with the discipline.

**Credits: 4**

## CJ 523 Management of Law Enforcement Organizations

Managerial concepts, administrative principles and supervisory practices for the middle command officer. Law enforcement leadership, policy formulation and application of sound management practices.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*



# Course Descriptions

## **CJ 524 Law Enforcement Planning**

Planning techniques, development of criminal justice planning, identification of problem areas, causative factors, solutions and alternative strategies, using resources to effect change.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

## **CJ 527 Quantitative Methods in Criminal Justice**

Course covers the quantitative and qualitative study of crime and crime trends in relation to factors of sociological, demographic, and spatial nature. Experience in utilizing public data and attitudinal surveys for the purpose of analyzing, interpreting, and presenting crime reports in a professional manner at a more advanced level than is possible at the 400 level.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

## **CJ 531 Microsoft Office for Crime Analysis**

Introduces students to Microsoft Office Professional (Access, Excel, Word and PowerPoint) as an investigative tool in criminal justice applications. Students will learn to manage and analyze crime data using Microsoft Access, analyze data and perform complex calculations using Microsoft Excel, create crime bulletins and reports using Microsoft Word and prepare effective presentations using Microsoft PowerPoint.

**Credits: 4**

## **CJ 533 Criminal Justice and Popular Culture**

Focuses on evaluating printed and electronically mass-produced works of fiction, non-fiction and other entertainment and infotainment media as they relate to crime and criminal justice in America. Will explore mass media's fascination with crime and punishment. Will concentrate on developing a better theoretical understanding of the impact mass-

media has on criminal justice discourse and policy.

**Credits: 4**

## **CJ 535 Gender, Crime and Justice**

Examines the differences in the commission of offenses and victimization by gender and addresses gender specific differences in criminality, societal reactions and criminal justice responses by gender.

**Credits: 4**

## **CJ 536 Minorities, Crime, Social Policy and Social Control**

The involvement of minorities, especially African Americans, Hispanics and Native Americans, in crime and the criminal justice system.

**Credits: 4**

## **CJ 540 Community Crime Prevention Studies**

Multidisciplinary approach to theoretical foundations of issues related to crimes committed in the community and theoretical orientations of various community crime prevention strategies and the implications associated with social policies.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

## **CJ 545 Race and Justice**

This course engages students in contemporary issues of race and social justice. We start with operationalizing key concepts of race, ethnicity, racism and social justice. We then investigate the historical evolution of race and racism emphasizing a criminological perspective. Finally, we explore today's most pressing issues surrounding equality, inclusion, civil rights and criminal justice reform. Topics include: eugenics, housing, forensics and medicine, environment, law enforcement and corrections, to name a few.

**Credits: 4**

## **CJ 550 Criminology**

A description and analysis of types of crimes, types of criminals and the major theories of crime causation. An examination of past and present incidence rates of crimes; the socioeconomic, cultural and psychological variables related to criminal behavior; and a review of possible solutions to the crime problem.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

## **CJ 551 Youth, Crime and Society**

Offers a review of the nature, distribution and explanations of youth crime, with particular attention given to the historical context of youth crime and the topic of youth gangs. Gender, race, political and official responses to youth crime will be emphasized.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

## **CJ 552 Criminal Procedure**

The concepts of due process and application of the Bill of Rights in criminal law are examined in the light of U.S. Supreme Court decisions. State and federal procedural law is reviewed as well as relevant new legislation.

**Credits: 4**

**Prerequisite:** *CJ 213 and CJ 252 or consent of instructor*

## **CJ 554 Parole and Probation**

History of parole and probation; review of contemporary parole and probation theories, practices, processes and research; the future of parole and probation.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

## **CJ 555 Correctional Casework and Counseling**

History, development and contemporary practices, theories and

# Course Descriptions

techniques of juvenile and adult correctional casework, counseling and treatment.

**Credits: 4**

**Prerequisite:** *CJ 213 or consent of instructor*

## **CJ 563 Topics on Juvenile Issues**

Focuses on contemporary juvenile issues (such as child abuse) and other current issues and trends that involve the juvenile, family, school, social agencies and the court.

**Credits: 4**

## **CJ 603 Thesis/Professional Project**

Terms and hours to be arranged. Eligible for the RP grade option.

**Credits: 1-9**

## **CJ 606 Special Individual Studies**

Term and hours to be arranged.

**Credits: 1-15**

## **CJ 608 Workshop**

Students must take CJ 608, "Graduate Studies Workshop," their first term. This one-unit course facilitates the transition to graduate school by introducing new graduate students to the values, expectations, and resources of the WOU and CJS Division community that will be their home for the duration of their degree program. It also serves as a point of initial academic advising wherein students will begin the process of selecting an exit strategy.

**Credits: 1-15**

## **CJ 609 Practicum**

Term and hours to be arranged. Students must obtain signature from community service supervisor before registration.

**Credits: 1-12**

## **CJ 610 Advanced Motivational Interviewing**

Equips graduate students in the theory, research and practice of Motivational Interviewing (MI) in the correctional system at a more advanced level than would be required for undergraduates. Course will place equal emphasis on understanding MI and learning how to do MI. Course will consist of a community of practice around skill-based MI clinics where the instructor will demonstrate the methods of MI and then have students practice them. Through training, normative feedback and coaching, students will gain and increase their proficiency in MI. Students taking MI at an advanced level in the graduate programs would be equipped with a roadmap for ongoing development and mastery in MI.

**Credits: 4**

## **CJ 611 Contemporary Juvenile Issues**

Focuses on contemporary juvenile issues offering a review of the nature, distribution, and explanations of youth crime, with particular attention given to the historical context of youth crime and the impact of societal factors serving as risks or protective factors for youth crime. The course also examines Gender, race, political factors, and official responses to youth crime. In addition, it explores interactions between family life and antisocial behavior. Family factors including family structure, domestic interactions and conflict, intergenerational aspects of criminal behavior, family relationships and socialization as crime promoting or crime prevention mechanisms on young members of families. Further evaluates societal structures in place for dealing with Juvenile crime. Other important concepts to be explored will include gender, race, socioeconomic status, and violence within families as contributors to crime outcomes.

**Credits: 4**

## **CJ 612 Research in Criminal Justice**

Course examines research techniques

and methods necessary for a comprehensive understanding of crime, criminal justice and their relationship to policy construction and implementation.

**Credits: 4**

## **CJ 617 Criminal Justice Administration and Organizational Behavior**

Review of theories of organization and administration, the application of these theories to criminal justice system organizations; review of research on criminal justice administration and organization.

**Credits: 4**

## **CJ 618 Theory of Criminal Law**

Development and application of criminal law in America. Focus on a variety of issues germane to the history and implementation of criminal law. Course will address philosophical, sociological, psychological and biological contributions to criminal law and the implications of these contributions on social policies will be explored.

**Credits: 4**

## **CJ 619 Ethics and Leadership in Criminal Justice Organizations**

Course examines major theories of leadership and ethics relevant to criminal justice and social service institutions. Emphasis is placed on leadership and its relationship to ethics. Various models of leadership and research relevant to the criminal justice setting are discussed.

**Credits: 4**

## **CJ 620 Offender Treatment**

Exploration of various offender treatment programs. Students will examine the theoretical foundation for those programs, as well as the social, economic and political implications associated with adult and juvenile offender treatment programs.

**Credits: 4**

# Course Descriptions

## **CJ 621 Human Resource Management in Criminal Justice**

Students will explore the recruiting, selection, training, assignment, discipline and promotion of personnel in criminal justice. Emphasis is on the philosophy, theory and practice of human resource management in the contemporary public safety agency.  
**Credits: 4**

## **CJ 622 Strategic Planning in Criminal Justice**

Students will explore the development and design of strategic planning to provide the competence to develop a strategic plan for a criminal justice agency. Strategic planning will be contrasted to tactical planning and intuitive planning.  
**Credits: 4**

## **CJ 623 Criminal Justice Research: Explore and Initiate**

This course is designed to lay the groundwork for developing a successful capstone project by shepherding students through the process of planning and conducting applied research. In this course students will develop a research topic, complete a literature review, and research proposal.  
**Credits: 4**

## **CJ 624 Criminal Justice Research: Construct and Compile**

Building upon the previous capstone course, in this course students will conduct research, analyze and interpret data, and report findings.  
**Credits: 4**  
**Prerequisite:** *CJ 623*

## **CJ 625 Criminal Justice Research: Compose and Complete**

Part III of the Capstone coursework series is designed to enhance students' professional writing by producing a final, polished draft of their

capstone project that represents the culmination of their Master's Degree work. Additionally, they will create summaries of the implications of their project for both specialized and general audiences in formats appropriate to either an academic or a workplace setting.  
**Credits: 4**  
**Prerequisite:** *CJ 624*

## **CJ 627 Quantitative Methods in Social Science**

This is a graduate level course that aims to provide an understanding of the concepts of probability, common distributions, statistical methods and analyses of data. Students will master a software package and learn how to interpret and present ideas from their fields of study using these acquired statistical technological skills.  
**Credits: 4**  
**Prerequisite:** *CJ 612 or consent of instructor*

## **CJ 653 Advanced Corrections**

Explores the modern era of corrections. Examines the massive increase in prisons and incarceration rates driving the past several decades. Students will be required to critically analyze past and current prison and post-prison practices. Students will be required to develop corrections models that would serve as "best practice" solutions to problems and/or inconsistencies in previous and current models of corrections.  
**Credits: 4**

## **CJ 656 Contemporary Issues in Criminal Justice**

A study of contemporary issues in criminal justice.  
**Credits: 4**

## **CJ 660 Advanced Criminology**

Graduate students will have an opportunity to explore advanced applications of theory and social research methodologies. Students will be required to develop and apply critical analysis of a variety of theoretical and methodological

applications within the realm of criminal justice and the broader study of crime.  
**Credits: 4**

## **COM 100Z Introduction to Communication**

COMM 100Z is a survey course offering an overview of the communication discipline that emphasizes the development of best communication practices in different contexts.  
**Credits: 4**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Foundational Skills:** *Communication and Language*

## **COM 109 Career Exploration**

Earning a Communication Studies degree is a pathway to a host of rewarding educational and professional opportunities. Navigating this path, however, can be challenging at times. This course provides career readiness opportunities such as career exploration, job shadowing, preparing for internships, and career and course mapping.  
Pass-No Credit (P/NC) grading only.  
Eligible for the RP grade option.  
**Credits: 2**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **COM 111Z Public Speaking**

COM 111Z emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations.  
**Credits: 4**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Foundational Skills:** *Communication and Language*

## **COM 113 Social Media and Digital Advocacy**

Explores the dynamics of digital technologies and advocacy through various communication concepts. Communication and advocacy

# Course Descriptions

practices are applied to projects and used to analyze advocacy from the past and present.  
Eligible for the RP grade option.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 199 Special Studies

Terms and hours to be arranged.  
May be repeated for up to 15 credits.

**Credits: 1-16**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 211 Introduction to Mass Communication

Introduction to the study of mass communication through the critical engagement and examination of issues relating to the mass communication industry, media production, content and effects.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## COM 212 Advertising and Society

Examines advertising as an economic force and as a form of cultural representation. Students will use a critical/cultural approach to examine the economic, political and cultural forces that have impacted the evolution of advertising from the 19th to the 21st century, paying particular attention to how advertising has become a litmus for cultural attitudes and ideologies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## COM 218Z Interpersonal Communication

COM 218Z increases the knowledge and use of competent communication skills to better understand oneself, others, and the role of communication

in interpersonal relationships.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## COM 236 Contemporary Issues in Media

Developing critical awareness of recent issues in the fast-changing world of media creation, organizations and audience use. This course especially focuses on the impact of media on individual decisions, social organizations and government operations.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## COM 260 Sport & Social Movements

Despite its perception as a benign pastime or profession, sport has long been associated with social and political agitation. In this course, you will learn about social movement studies through the lens of amateur, collegiate and professional sports. Topics include sports and anti-colonialism, Olympic boycott movements, athlete compensation and unionization, Native American mascots, as well as athletes' roles in promoting movements for racial, gender, and LGBTQI justice.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## COM 271 Communication Studies Projects

Training and participation in communication studies activities in the public setting. Terms and hours arranged with consent of instructor.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 309 Career Readiness

This two-credit class will prepare you for success as a Western Oregon University Communication Studies graduate. Among other things, this class will provide you with tools to turn the expertise you have gained through coursework into a meaningful career toolkit of cover letters, resumes and elevator pitches, as well as job search guidance. Additionally, this course will focus on ongoing personal and career development opportunities. Pass-No Credit (P/NC) grading only. Ineligible for the RP grade option.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## COM 310 Communicating with Data

An overview of communication research methods, with an emphasis on giving students hands-on experience with study design, data collection, and statistical analysis. The course will cover quantitative and qualitative methods, and will focus on measuring how people are affected by the media-driven world in which we live.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## COM 312 Public Relations Communication

Instruction and practice in the role of communications in American institutions and writing and editing internal and external communications. Discussion of the relationship between public relations, advertising and marketing and the role of law and ethics in public relations communications.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 313 Creating Student Media

This course will guide students through all three branches of Student Media at

# Course Descriptions

Western Oregon University. Students will have the opportunity to record podcasts, host live radio shows, report on events around campus, submit creative work for publication, edit articles, design newspapers and design graphics, and extensively collaborate with the Student Media teams at KWOU Radio, The Western Howl, and the Northwest Passage Art and Literary Journal. Coursework will prepare students to publish across a range of media platforms.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 321 Influence Through Argument

Concepts and processes of argumentation, cogency in oral communication, systems of logic, critical analysis of contemporary efforts to convince, construction and presentation of cases.

**Credits: 4**

**Prerequisite:** COM 111Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 323 Group Discussion and Leadership

Dynamics of discussion; group thinking and decision-making; interpersonal relations; types of leadership and the application of discussion techniques in the classroom and society.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 324 Business and Professional Communication

Investigates the role of communication in business and the professions. Areas of study and performance include developing better listening skills, conducting meetings, preparing and presenting reports, improving interpersonal skills in business and conducting interviews.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 325 Intercultural Communication

Examination of the connections between culture and communication. Exploration of the diversity among U.S. American cultural patterns as well as other cultures from around the world. Development of critical, analytical, verbal and nonverbal skills necessary for effective intercultural communication.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## COM 326 Freedom of Speech

Study and critical assessment of major First Amendment issues and cases.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 327 Communication in the Legal Field

Examines communication principles in the legal setting. These include cross-exam techniques, strategies in opening and closing arguments, interpersonal factors affecting trial participant credibility and persuasive factors in judicial opinions.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 328 Law and Popular Culture

Course is designed to deepen students' understanding of the intersection between law and popular culture. Through readings, discussion, reflective writing and a final research project, students will be able to understand and describe how movies about law shape society's understandings of law, society and social history.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 331 Nonverbal Communication

Examination of human nonverbal behaviors that have communicative potential. We study current knowledge and perspectives on nonverbal communication, using them to complete both formal and informal research projects, applying and testing contemporary theory and research on nonverbal communication.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 335 Communication and Gender

An exploration of the intersection of gender and communication examining documented similarities and differences in communication patterns and styles and investigating gender as a communicative enactment.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 340 Conflict Management

Using conflict simulations and popular media to present conflict management theory, this course gives students the tools to develop effective, ethical conflict management strategies and techniques.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 342 Media Literacy

Encourages the development of media literacy by examining the complexity of media industries in the areas of production, economics, audience development, media effects and institutional effects. Specific topics include the analysis of media products such as news, entertainment and advertising according to their purposes, message parameters and audience reception.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## COM 343 Communication in the Information Age

Study of the information age in its impacts on personal communication and social institutions. Emphasizing application of principles to personal experience and encouraging critical analysis of "information society" claims.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 351 Foundations of Health Communication

Explores the foundations of health communication along a spectrum that includes the evaluations of this aspect of the discipline, patient/provider perspectives and interactions, culture, eHealth and end of life.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Health Promotion*

## COM 360 Sport Communication

Introduction to issues in sport communication and offers an opportunity for investigation of an individualized area of interest. Topics include player-coach communication, sports journalism, media spectacles and sport controversies, along with emerging issues in sport communication scholarship.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 370 Communication Ethics

Explores the theoretical foundations and practice of ethical communication examined in a variety of communication contexts. Specifically, our analysis seeks identification of ethical issues underlying all communication behavior and application of those issues to contemporary and classical examples of communicative behavior. Students will utilize this information to develop clear and appropriate ethical standards and practices in communication.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 372 Sports Public Relations

Learn and apply public relations skills to help build and maintain relationships among media organizations, leagues, teams, athletes, municipalities, and fans.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 380 Environmental Communication

An overview of the rhetorical, mass mediated, organizational, interpersonal and political communication dimensions of environmental studies. Critical analysis and practical application of environmental communication concepts and strategies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## COM 399 Special Studies

Terms and hours to be arranged. May be repeated for up to 3 credits, if content is different.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 400 Communication and Labor

This course examines the dynamics of communication and social change within labor movements and workplace culture. We will focus attention on several historical and contemporary labor issues, topics and controversies with a focus on the role of language, music, and visual rhetoric in constructing public arguments. Students will investigate a particular labor organization, movement or issue of their choosing for their final course project.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 402 Rhetoric, Race, Resistance

This class explores both the existing racial inequalities in the United States and the attempts to use public social change as an act of resistance against these inequalities. Course material includes theories and strategies of resistance and dissent, focusing on how to understand current racial protests in context in order to better appreciate and evaluate these socio-political contexts.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## COM 405 Human Communication Theory

Examination of contemporary human communication theories, largely from a social scientific perspective.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 406 Special Individual Studies

Terms and hours to be arranged. May be repeated for up to 3 credits, if content is different.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 407 Seminar

Terms and hours to be arranged. May be repeated for up to 6 credits, if content is different.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 408 Workshop

Terms and hours to be arranged. May be repeated for up to 3 credits, if

# Course Descriptions

content is different.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 409 Internship

This is an internship students design and carry out with a supervisor in a job setting.

May be repeated for up to 8 credits, if content is different.

Pass-No Credit (P/NC) grading only. Eligible for the RP grade option.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 410 Communication and Event Planning

Working with a school or non-profit community organization liaison, students will develop, plan, coordinate and carry out a major event for the designated organization. Students will turn in a portfolio at the end of the term that demonstrates tasks they have accomplished.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 412 Analyzing Popular Culture

Analysis and evaluation of speeches in their social settings; critical studies of invention, arrangement and style.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 415 Social Media Campaigns

This course provides students with a hands-on, high-impact learning opportunity in social media planning and campaigns. Each term, students will be paired with a community organization and will learn about and apply strategies and theories of social media planning to create a publishable social media campaign.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 416 Communication and Politics

An examination of the relationship between communication and politics and how their interaction affects American society. Emphasis is on the communication of political issues, the ways in which social institutions help create, advance and reinforce public opinion and the political systems.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## COM 420 Communication in Organizations

The study of communication processes that occur within the context of organizational life. Traditional and contemporary theories of organization are presented and assessed from a communication perspective.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 422 Persuasion

Approaches to changing audience attitudes, beliefs, behaviors and/or values strongly grounded in communication ethics and social scientific research, leading to message preparation and analysis.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 426 Language of the Mass Media

Uses of verbal and visual language in the popular media: motion pictures, television, radio, newspapers and magazines-both by direct study and analysis of the various media and by the study of the relevant scholarship and criticism.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 430 Social Media and Culture

Examines the history, theory, technology and uses of social media. Focus on the relationship between technical affordance of a technology and the social norms of a user community in order to better understand the complexities of engaging with emerging technologies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## COM 431 Nonverbal Deception Detection

Using techniques derived from Dr. Paul Ekman's research, combined with contemporary nonverbal communication research, this course provides a baseline in two important nonverbal deception areas: emotional skills and competencies, and evaluating truthfulness and credibility. This technique is the basis for high-stakes interviews and is used in a multitude of areas, including human resources, corporations, and law enforcement.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 432 Music and Rhetoric

Survey of major rhetorical ideas, theories and figures from the classical period to the present. Emphasis on the ways in which rhetoric was understood and used in Western historical contexts and applied to contemporary music.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 435 Rhetoric of the Women's Movement

Examination of the works of the major speakers of the women's movement from the 18th century to the present.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## COM 436 Gender Theory and Activism

Examines the interplay between feminisms, queer theory and cultural production, focusing on how power manifests in ways that contribute to and constrain communication around gender and sexuality. Students will read historical and theoretical texts from feminist and queer scholars and assess how these texts enable them to communicate about sex and genders as social, cultural, political and economic constructions.

**Credits: 4**

**Prerequisite:** COM 335 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 439 Contemporary U.S. Public Address

Survey of several major U.S. speakers and speeches since the mid-20th century in their historical contexts. Analysis and evaluation of the rhetorical features of contemporary oratory grounded in critical and theoretical approaches to speaker, audience, text and context.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 440 Relational Communication

In-depth examination of everyday relational communication issues as behavioral outcomes of theoretically explained communication behaviors, from relationship initiation to relationship termination, including factors such as attraction, relational development and maintenance, critical relational events and other topics in relational communication.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 442 Communication and Social Change

Examination of communication in the context of historical or contemporary social issues or movements. Focus on

critical thinking, dialogue and praxis through application of communication theories and methodologies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 444 Global Media

Provides students with critical perspectives on global media, as industries, transnational cultural flows and part of the globalization process. Lectures, readings, case studies and discussions will help students understand how key issues and media players involved in the processes of global media production and distribution contribute to globalization.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 446 Critical Media Analysis

Students will investigate mass media using major theories and methods of critical media analysis, including semiotics, framing and political/sociological analysis. Through informal application assignments, scholarly readings and a formal paper, students will explore the ways critical media analysis yields insights into contemporary social formations.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 450 Crisis Communication Management

Practical experience to effectively manage and overcome a crisis. Students are introduced to sound research and the best practices in the field of crisis communication. Course is based in using case examples to explore a series of crisis communication management problems and strategies. Cases involve managing victims, reducing litigation, recovering reputation, healing corporate wounds, dealing with organizational opposition, engaging the media and influencing employee, community and public attitude.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 451 Science Communication

Fundamental conflicts exist between scientists, activists, media, businesses, and politicians around based STEM facts and fictions. This course will help students evaluate how scientific information is produced and consumed so they can better combat scientific misinformation and misunderstanding in their daily lives. Students will use science communication strategies to create and evaluate ethical and appropriate content for diverse audiences and strengthen public understanding.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## COM 455 Creating Documentary and Digital Films

This course surveys the history and theory of documentary film and trains students in creative group work to manage complex film projects. The course aims to provide a historical overview of documentary research and storytelling, examine the practicalities of producing nonfiction documentaries for broad audiences, and raise ethical concerns about producing content in the digital world. Course activities include projects and group meetings outside of class time.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 461 Family Communication

Examination of communication messaging, strategies and patterns of interaction occurring in family relationships in a variety of different family styles. Topics may include closeness and affection, disclosure, sibling interaction, adolescence, parenting, marital roles and conflict.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.



# Course Descriptions

## COM 462 The Dark Side of Family Communication

Explores research and theory that illuminates the dark side of interpersonal and family communication and provides an orientation for understanding the dark side as inseparable from the brighter side in understanding human communication.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## COM 531 Nonverbal Deception Detection

Using techniques derived from Dr. Paul Ekman's research, combined with contemporary nonverbal communication research, this course provides a baseline in two important nonverbal deception areas: emotional skills and competencies, and evaluating truthfulness and credibility. This technique is the basis for high-stakes interviews and is used in a multitude of areas, including human resources, corporations, and law enforcement.

**Credits: 4**

## CS 101 Computers and Society

Introduction to the computer's role in society. The student will become familiar with current computer terminology and will use applications software, including a word processor.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 121 Computer Applications

Covers standard office applications for a personal computer. Currently the class uses the Microsoft Office suite of applications and includes intermediate Microsoft Word, basic and intermediate Microsoft Excel and basic Microsoft Access. As time permits, presentation software (Microsoft Power Point) and web page editing software (Microsoft FrontPage).

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 122 Introduction to Computer Science for Non-Majors

History and overview of fundamental concepts of computer science. Topics include: introduction to computer hardware and the role of an operating system; data communications and networks; the history and future of the internet; issues in computer privacy, computer security, computer ethics and computer crime; buying and upgrading a personal computer system; and careers in computing.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## CS 123 Introduction to Information Systems

Introduces students to contemporary information systems and demonstrates how these systems are used in organizations. Focus on the key components of information systems -- people, software, hardware, data and communication technologies -- and how these components are integrated and managed for organizational advantages. Students will gain an understanding of how information is used in organizations and how information technology improves quality, speed and agility. Introduces systems development, technology acquisition and various types of applications common in modern organizations and society.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 125 Introduction to Computer Game Development

Students will be exposed to fundamentals of programming by building digital/computer games using a high-level game development framework; no prior programming experience required. Students will gain insights into how programs are designed and developed; learn about the software engineering process; and improve problem-solving skills by creating a digital/computer game. Students will design and develop a

digital game at a level appropriate for their background and experience.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 126 Introduction to Smart Phone App Development

Gentle introduction to computing. Students will build mobile apps for phones and tablets using the visual language "app inventor"; no prior programming experience required. Students will gain insights into how programs are designed and developed; learn about the software engineering process; and improve problem-solving skills by creating a smart phone or tablet application.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 127 Introduction to Multimedia Programming

Introduction to sound synthesis using the Pure Data programming language. Students will become familiar with basic digital audio and signal processing techniques in a visual programming environment. Generative sound design and production processes will be explored with examples applicable to game development, music composition and sound effect creation.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 133 Introduction to Python Programming

Introduces students to computer programming using the Python language. Python is a general-purpose, high-level programming language whose design philosophy emphasizes code readability. Python combines power with clear syntax. Its standard library is large and comprehensive. Python supports multiple programming paradigms, primarily but not limited to, object-oriented, imperative and, to a lesser extent, functional programming styles.

**Credits: 4**

**Satisfactory Grading:** Eligible for the

# Course Descriptions

Satisfactory/No Credit grade mode.

## CS 134 Perl Programming

Introduces students to the Perl programming language. Through lecture and hands-on lab exercises, students learn how to use simple Perl scripts to tackle contemporary applications of Computer Science and Information Systems.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 135 JavaScript

Introduction to programming concepts using JavaScript programming language. Discusses the essential elements of programming; syntax, control structures, data manipulation and program logic. Object-oriented and functional programming concepts are introduced. Importance of proper coding practices; commenting, white space and consistency. JavaScript framework is explained and how it is integrated into applications.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 137 Introduction to MATLAB Programming

Introduces students to technical computing using the MATLAB platform. MATLAB is an all purpose interactive computing environment that seamlessly integrates a high-level programming language expressly designed for technical computing. A variety of computational tasks will be examined including simulation and data analysis problem types.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 140 Linux Operating System

Introduction to the Linux operating system. Explores how to use the Linux operating system to perform file and system management. The development of basic scripts to automate processes is covered. How to create, manage, and implement

security of the file structure is addressed.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 160 Survey of Computer Science

Explores the disciplines and professions of Computer Science and Software Engineering. Overviews computer hardware and software architecture, the study of algorithms, software design and development, data representation and organization, problem-solving strategies, ethics in the digital world, and the history of computing and its influences on society. Explores career options and begins the process of planning a program of study. Exposes students to both low-level and high-level programming languages.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## CS 161 Computer Science I

This course teaches the foundational skills of problem solving and programming used in software engineering. It is designed to develop skills that will allow students to design solutions to a given problem then implement that solution in a programming language. No prior programming experience required.

**Credits: 4**

**Prerequisite:** CS 160 with a grade of C or better or consent of instructor

**Corequisite:** CS 161L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 161L Lab: Computer Science I

To be taken concurrently with CS 161.

**Credits: 0**

**Corequisite:** CS 161

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 162 Computer Science II

This course teaches the foundational

skills of problem solving and programming used in software engineering. Students apply the fundamental programming concepts gained in CS 161 to create more complex programs. New concepts and tools are introduced, including tools that help in the construction of larger, more durable programs that can be used for practical applications. Includes designing and implementing fundamental data structures.

**Credits: 4**

**Prerequisite:** CS 161 with a grade of C or better and concurrent enrollment in or completion of MTH 232 or MTH 252

**Corequisite:** CS 162L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 162L Lab: Computer Science II

To be taken concurrently with CS 162.

**Credits: 0**

**Corequisite:** CS 162

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 195 Fundamentals of Web Design

Fundamentals of web design using HTML, CSS and JavaScript. Web design best practices are covered, including accessibility, usability and consistency. JavaScript will be implemented to develop functional and interactive web sites.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CS 260 Data Structures

Studies the merging of abstract data types (ADT's) and the algorithms which manipulate them. Topics may include the study of the elementary searching and sorting algorithms, stacks, queues, lists, trees, graphs, hash tables and implementation strategies. Also introduces complexity analysis, asymptotic measures and resource consumption including the trade-off between time and space. For each data structure examined,

# Course Descriptions

common algorithms which utilize the structure will be studied and "Big O" complexity analysis discussed for each algorithm.

**Credits: 4**

**Prerequisite:** CS 162 with a grade of C or better and MTH 232 or MTH 252

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 262 Programming Languages

Computer applications using the language designated.

**Credits: 2**

**Prerequisite:** CS 162

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 271 Computer Organization

Logical organization, computer hardware, introduction to assembly and machine language programming.

**Credits: 4**

**Prerequisite:** CS 162 or IS 270 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 299 Topics in Computer Science

Course content will vary. Topics are selected relative to new subject areas in computer science appropriate to sophomore level.

May be repeated for up to 16 credits.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 312 Social History of Computing

This class presents a history and an overview of fundamental concepts of computers and their role in society. Among the topics included are: introduction to computer hardware and the role of an operating system; data communications and networks; the history and future of the internet and the World Wide Web; issues in computer privacy, computer security, computer ethics, and computer crime.

**Credits: 4**

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## CS 340 Computer Ethics

Acquaints students with the contemporary or possible future moral problems that might arise due to computerization. Gives students a deeper understanding of the nature of morality or the nature of society. Helps students understand the relationship between deep human needs, socioeconomic institutions and technology.

**Credits: 4**

**Prerequisite:** WR 122Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## CS 360 Programming Languages

This course will provide a comparative study of programming language paradigms and their application. Paradigms studied include Imperative, Functional, Logic, and Object Oriented languages. Modern scripting languages that are categorized under multiple paradigms are included. Students will learn how to approach problems from the viewpoint of each paradigm. Similarities and differences in syntax, control structures, types, scoping rules and execution model will be highlighted. The specific languages studied are selected by the instructor and may vary from year to year.

**Credits: 4**

**Prerequisite:** CS 260 and CS 271, both with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 361 Algorithms

Course covers fundamental algorithms and data structures used to solve a variety of problems. These include searching, advanced sorting, graphs, strings and algorithms for solving other hard problems. Develops and explores algorithm design strategies such as divide and conquer, dynamic programming, greedy approaches and backtracking. Algorithm analysis is

developed at a more advanced level and includes analysis of recursive algorithms. Covers the classification of algorithms by computational complexity and an introduction to the theory of computation including automata, Turing machines and formal languages.

**Credits: 4**

**Prerequisite:** CS 260 and MTH 354, both with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 364 Information Management

The course discusses what information is, why it is necessary to manage it, database systems (both relational and non-relational), SQL, relational algebra, normalization, data modeling, and the trends.

**Credits: 4**

**Prerequisite:** CS 260 and CS 271, both with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 365 Operating Systems

This course provides an introduction to Operating Systems as managers of systems resources. Management of tasks, memory, and peripheral devices is explored. Topics include task synchronization, message handling, scheduling, dispatching, network communications and protocols. Students gain hands-on experiences via labs and projects.

**Credits: 4**

**Prerequisite:** CS 260 and CS 271, both with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 366 Software - Languages and Tools

The first course in a two-term sequence, CS 366 is an introduction to the fundamental principles and practices of software development. Students will learn specific languages, tools, and environments most commonly used for web and mobile development. This course serves as a prerequisite for senior project and/or a mobile app sequence.

# Course Descriptions

**Credits: 4**

**Prerequisite:** CS 260 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 367 Software Design and Testing

The second course in a two-term sequence, CS 367 is an introduction to software design and testing used extensively in software/app development. Students will learn design methodologies, testing tools and paradigms, including the bridging concepts of refactoring, continuous deployment, and continuous integration, used for software development. This course serves as a prerequisite for senior project and/or a mobile app sequence.

**Credits: 4**

**Prerequisite:** CS 366 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 406 Special Topics

Course offered on an individual student basis. It is designed to support students in investigating the application of programming methods to problems related to their declared major.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 409 Practicum

Offers practical experience working in a computer science department for area businesses and industries.

May be repeated for up to 16 credits.

Eligible for the RP grade option.

**Credits: 1-9**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 422 Demystifying Computer Science: No Experience Required

This course is designed to demystify the subject of computer science to create citizen teachers and learners of this field, which is the 21st century literacy. In the process of studying what computer science is, we will address how it impacts society by considering biases within the tech field as well as the humanitarian application of writing code to make the world a better place.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge Science, Technology, and Society**

## CS 431 Intelligent Systems

Fundamentals of classical and modern intelligent systems (artificial intelligence). Covers classic algorithms including search strategies, constraint satisfaction, optimization, knowledge representation and reasoning and classification and overview of modern deep learning methods. Includes laboratory style investigation and algorithm implementation for selected real systems or problems, e.g. autonomous systems or image recognition.

**Credits: 4**

**Prerequisite:** CS 361 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 434 Data Mining and Data Warehouse

Course discusses theory and algorithms most commonly used in the analysis of large volumes of data, often referred to as Big Data/Business Intelligence/Machine Learning, in the extraction of knowledge from such data, and in making decisions based on the knowledge acquired. Students will build a data warehouse and conduct data mining exercises.

**Credits: 4**

**Prerequisite:** CS 364 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 435 Open Source Software Development

This course is designed to provide a framework to facilitate engagement in an open source project. The goal of this class is to get students actively engaged in and to provide the foundation for continued success in an open source community. Open Source Software (OSS) development promotes real world skills in software development recognized by potential employers.

**Credits: 4**

**Prerequisite:** CS 360 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 436 Dynamic Systems Simulation

This course is an overview of computer modeling and simulation approaches for studying the behavior of systems in order to enhance understanding, predict how the system might behave under different circumstances, and/or find ways to improve the "performance" of the system. Such models are often used for forecasting and process analysis in enterprise planning and for studying processes in various scientific and technical disciplines.

**Credits: 4**

**Prerequisite:** MTH 243Z or MTH 354

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 440 Analysis of Algorithms

A variety of algorithms are examined in terms of their demands on the resources of space and time. The techniques for doing a detailed algorithm analysis are covered.

**Credits: 4**

**Prerequisite:** CS 361

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 445 Theory of Computation

Explores the mathematical foundation of computer science. The various levels of automata theory are covered along with their deterministic and

# Course Descriptions

nondeterministic counterparts.

**Credits:** 4

**Prerequisite:** CS 361

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 460 Software Engineering I

This course covers an introduction to the fundamental principles and practices of software engineering. Covers both theory and practical aspects of the first activities of large, group-developed software projects, including tools and environments, software requirements engineering, introduction to software architecture, design and modeling and modern software processes. Students will learn the specific languages, tools, environments and processes necessary to complete the remainder of the capstone course. Computer Science majors must complete the required senior capstone courses in sequence: CS 460 then CS 461 and finally CS 462.

**Credits:** 4

**Prerequisite:** CS 361, CS 364, and CS 367, with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 461 Software Engineering II

This course emphasizes teamwork in small groups to develop real-world software applications. Teams and individual members will participate in all activities of software development, including project planning, requirements analysis, design, coding, testing, configuration management, quality assurance, documentation, and deployment. Topics in CS 461 will focus on software lifecycle processes, software design, software construction, and engineering management concepts expanding on material from CS 460. This course provides a capstone experience that integrates knowledge gained in rest of the CS curriculum through work on both team and individual projects. The second term of a 3-term sequence (CS 460, CS 461, CS 462).

**Credits:** 4

**Prerequisite:** CS 460 with a grade of C or better

**Corequisite:** CS 461L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 461L Lab: Software Engineering II

To be taken concurrently with CS 461.

**Credits:** 0

**Corequisite:** CS 461

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 462 Software Engineering III

A continuation of the CS 460 and CS 461 capstone course sequence where students focus on the construction and implementation of both individual and team developed software projects. The emphasis in CS 462 is on applying contemporary software development methods, testing, verification, validation, reliability, software evolution, and software deployment. This course concludes the capstone experience that integrates knowledge gained in rest of the CS curriculum through work on both team and individual projects; public presentations of both team and individual projects are part of the course requirements. The third term of a 3-term sequence (CS 460, CS 461, CS 462).

**Credits:** 4

**Prerequisite:** CS 461 with a grade of C or better

**Corequisite:** CS 462L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 462L Lab: Software Engineering III

To be taken concurrently with CS 462.

**Credits:** 0

**Corequisite:** CS 462

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 463 Cybersecurity and Professional Practices

As future producers of technology it is important to understand the far-reaching effects of the creation of software systems through an ethical lens. With a focus on professional practices, civil liberties, and information privacy and security, students will learn how to examine decision making to support inclusive,

ethically centered policies and development practices.

**Credits:** 4

**Prerequisite:** CS 260 or IS 301

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 465 Microservices Architecture

Microservices is a major architectural pattern in the software industry. This course will cover the basic concepts of microservices, including familiarization with the core concepts of microservices, the monolith problem and how that lead to the microservices pattern, and implementing microservices using modern languages and frameworks.

**Credits:** 4

**Prerequisite:** Junior standing in Information Systems or Computer Science

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 474 Concurrent Systems

Study of parallel architecture and parallel programming paradigms. A comparison of large-grain and fine-grain programming methods. Topics also include: process creation and termination, shared and private data, scheduling algorithms and interprocess communication.

**Credits:** 4

**Prerequisite:** CS 360

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 481 Computer Graphics

Fundamentals of modern 3D interactive computer graphics. Covers fundamental graphics algorithms for modeling, rendering, lighting and shading as well as the operations of GPU hardware and a modern programming API such as OpenGL.

**Credits:** 4

**Prerequisite:** CS 260 with a grade of C or better (MTH 341 recommended)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## CS 490 Physical Computing

Course show how computing can interact with the physical world. Physical computing systems commonly include a micro controller or single-board computer, interface systems and various sensors and output devices, e.g. motors and switches. Students will learn the operation and programming of such systems for effective use. Previous experience with C and/or C++ programming language is recommended.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CS 522 Demystifying Computer Science: No Experience Required

This course is designed to demystify the subject of computer science to create citizen teachers and learners of this field, which is the 21st century literacy. In the process of studying what computer science is, we will address how it impacts society by considering biases within the tech field as well as the humanitarian application of writing code to make the world a better place.

**Credits: 4**

## CS 607 Special Topics

Special course offerings.

**Credits: 1-10**

**Prerequisite:** CS 600 and CS 600

## CS 609 Practicum

Credit for a practical work experience where advanced computer science skills are developed and/or utilized.

**Credits: 1-9**

## CSE 406 Special Individual Studies

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 408 Workshop

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-9**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 409 Practicum

Field placement in a setting where computer education applications may be encountered under guidance and supervision.

May be repeated for up to 12 credits.

**Credits: 3-9**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 469 "Hey u up?": Tech, Culture, and (Maybe) Love

This class explores dating apps and their impacts on how we experience the world around us, from technology to culture to relationships. Our goal is to better understand, and document, how technology influences human connection, interactions, and behavior and how human interactions, behavior, and ideology impact the use, shaping, and creation of technology. Using a rhizomatic approach to research, observation, and analysis, we will engage with scholarly and popular conversations on dating apps, conduct interview users, and analyze apps to consider issues related to bias, security, safety, identity, and relationships. Through this process we will work to understand and make explicit how dating apps are designed and used as well their risks and benefits. This course will culminate in a final research-based project selected by the student.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge Science, Technology, and Society**

## CSE 486 Emerging Technologies in Teaching and Learning

This course explores recent and emerging technologies that augment and support more interactive, robust, and diverse learning and teaching experiences in face-to-face, virtual, distance, and online learning environments. Technologies discussed may include: drones, virtual reality, augmented reality, live-streaming, artificial intelligence, and robotics.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 507 Seminar

Terms and hours to be arranged.

**Credits: 1-6**

## CSE 508 Workshop

Terms and hours to be arranged.

**Credits: 1-9**

## CSE 603 Professional Project

Culminating project for the MS Ed Information Technology degree. Students will complete a professional project of their choosing, approved by their adviser, which applies their knowledge of information technologies and education.

May be repeated up to 9 credits.

Eligible for the RP grade option.

**Credits: 3-9**

## CSE 604 Portfolio

The professional portfolio is one option for meeting the exit requirements for the MS Ed information technology degree. This portfolio will be a reflection of students' understanding of the literature in the field of educational technology, their mastery of the MS Ed proficiencies and National Educational Technology Standards and their ability to synthesize and apply their knowledge in the production of high quality educational materials.

Eligible for the RP grade option.

**Credits: 3**

# Course Descriptions

## CSE 606 Special Individualized Study

Designed for individual or special studies in a limited area of interest under the guidance of a designated faculty member.

**Credits: 1-3**

## CSE 610 Computers in Education

Course follows two distinct strands of activity: a theoretical/philosophical analysis of the underpinnings of technology use and hands-on skill development in the use of hardware and software.

**Credits: 3**

## CSE 611 Information Literacy

Course will include technology and effective information literacy, including developing and presenting materials, assisting in planning and record-keeping and functioning in an information-rich environment. This course explores strategies and support systems for literacy in information and digital citizenship.

**Credits: 3**

## CSE 612 Media Literacy

Examines the influence of media in our culture and explores methods for teaching media literacy. 21st-century media literacy skills include thinking critically about how we consume media messages (access, analysis, evaluation) and becoming skilled in the creation of messages using a variety of media, including, but not limited to, film, websites, photography and advertising.

**Credits: 3**

## CSE 615 Designing Information

A look at how ideas are organized in a variety of media. Explores how information is encoded in text, graphics, audio and motion media. Effectively choosing and designing appropriate media for the communication of ideas.

**Credits: 3**

## CSE 616 Designing and Teaching Online Courses

Introduction to the philosophy and methodology of designing online courses and teaching online. Topics include establishing a community online, fostering meaningful dialogue, facilitating group work, designing effective learning experiences and assessing student progress. Students will learn skills for course construction in a variety of course formats and will create a short course that uses tools within a course management system as well as resources available through the Web.

**Credits: 3**

## CSE 617 Open Source Tools

Using and evaluating open source (OS) tools for educational purposes while familiarizing participants with a general history of OS software. Students will actively use open-source operating systems, programs and platforms while learning how to evaluate OS products. Students will leave with practical, OS software-based classroom activities and strategies.

**Credits: 3**

## CSE 619 Big Thinkers in Educational Technology

Focuses on reading classic texts and ground-breaking recent texts in the field of technology. Readings vary by term, focusing on themes such as media and culture, emerging technologies, technology in education, etc. Students should expect to read three to five books each term. May be repeated for up to 12 credits, if content is different.

**Credits: 3**

## CSE 623 Teaching English Language Learners Through Technology

Explores a variety of online tools and looks at proven ways these tools can be used to support language development and content learning for English language learners. Examines how technology tools can be used in

meaningful ways, to allow additional collaboration between colleagues, teacher and students and students themselves. Includes hands on exploration of blogs, wikis, podcasts, screencasts, social networking, online imaging, online presentation tools and more.

**Credits: 3**

## CSE 624 Open Educational Resources

This course enables students to identify, evaluate, select, and deliver open, free, and copyrighted resources in their teaching, training, instruction, or workplace while adhering to legal and ethical guidelines.

**Credits: 3**

## CSE 625 Curating & Maintaining an Online Identity

This course emphasizes key practices for building, developing, maintaining, and safeguarding a professional online identity for individuals and organizations across digital platforms.

**Credits: 3**

## CSE 626 Instructional Design

The application of the instructional design approach to the preparation of multimedia instructional products. The student will be guided through the development of instructional materials, including the application of the ID approach to the preparation of computer-based instruction.

**Credits: 3**

## CSE 627 Social Media & Web-based Tools for Teaching, Training, and Learning

Explores many online tools and social media sites; looks at proven ways these are used in teaching, training, and learning. Examines how these tools and sites can be used in meaningful ways to support content creation, networking, assessment, and/or collaboration between colleagues, teacher and students and students themselves. Emphasizes hands-on exploration, creation, and engagement. Specific

# Course Descriptions

content changes by term.  
May be repeated up to 6 credits.  
**Credits: 3**

## CSE 628 Teaching Across the Curriculum Using Geospatial Technologies

Course will focus on accessing, organizing and analyzing spatial information that allows students to make informed decisions. Participants will prepare and present education-related projects using spatial technologies that focus on how to guide students in using technology to communicate information and ideas. Issues of ethical use and the powers of spatial technologies to persuade, extend communication and inform will be addressed.  
**Credits: 3**

## CSE 629 Web-Based Website Design

Students will create a professional, business or education-related website using free web-based software, widgets and training. Course emphasizes learning by doing and following best practices for creating user-friendly websites. Designed to train and develop web design skills as well as develop the ability to work with and employ free, online tools. By closely learning one system, students can apply that knowledge and easily integrate with other systems available online.  
**Credits: 3**

## CSE 632 Social and Philosophical Issues in Educational Technology

Examines educational technology's use and impact from cultural and philosophical perspectives. Through writing, students connect larger cultural and philosophical issues of educational technology to their own teaching practice.  
**Credits: 3**

## CSE 655 Internship in Information Technology

Allows students the opportunity to observe and participate with professionals working with technology in an educational setting. Activities might include designing and developing educational materials, providing technical support to educators, developing technical support materials or providing technical support to students. Activities will occur under the supervision of or in collaboration with, a working professional.  
Eligible for the RP grade option.  
**Credits: 3**

## CSE 656 Advanced Instructional Design

Advanced Instructional Design (ID) invites students to explore a variety of ID models and emergent topics in ID, including principles and practices to facilitate usability, accessibility, and collaboration with Subject Matter Experts.  
**Credits: 3**  
**Prerequisite:** CSE 626 Instructional Design or instructor's permission  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## CSE 660 Video Production I

Principles and practices of digital audio and video production and editing for instructional environments. Will develop skills for video production, examine ways to infuse video into educational contexts and evaluate its potential for the improvement of teaching and learning. Project-based course taught through a combination of lecture, discussion, demonstration and hands-on practice.  
**Credits: 3**

## CSE 663 Accessibility: Practice & Theory

This course focuses on providing legal, ethical, moral, and practical support for increasing and enhancing accessibility in online learning, teaching, and training environments. Emphasis is placed on understanding the larger

social and cultural contexts while: developing specific, concrete skills; demonstrating their applicability in diverse learning environments with diverse media; developing ability to present or explain accessibility to colleagues.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 665 Interactive Learning Platforms & Tools

This course supports developing students' understanding, experience, and practice with online interactive learning objects. Students will ground in recent scholarship and research, explore platforms (like H5P, Adobe Captivate, and Articulate), create learning objects with those platforms, and develop a final presentation about the relative merits and weaknesses of at least two platforms for a specific use case scenario. The course examines educational technology's use and impact from cultural and philosophical perspectives.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CSE 666 Photoshop for Educators

Introduces the basics of Photoshop with a focus on using the program for design. We will learn to select and copy or cut portions of an image to add to a different image, learn to work with text, learn to use filters and special effects and much more. Lots of time for hands-on-work.  
**Credits: 1**

## CSE 667 Making Video Accessible

Focus on making video accessible via captioning and audio description, with particular emphasis on captioning. Students discuss and try out different captioning tools, discuss captioning best practices, review potential classroom applications and caption videos they have made or would like to use in their classes.  
**Credits: 1**



# Course Descriptions

## **CSE 669 Screencast Basics & Best Practices**

Focus on best practices for planning and creating screencasts. Students will use several different types of software and discuss audio quality, scripting, captioning, etc.

**Credits: 1**

## **CSE 670 Teaching Content with Technology: Secondary**

Examines technology tools for teaching specific content knowledge at the middle/high school level. Explores effective uses of technologies for presenting content, promoting collaboration, encouraging critical thinking and developing understanding. Includes skills for evaluating and using technology tools to design educational materials that teach targeted content. Course will focus on a specific content area: math, science, social studies, language arts, health, P.E., ESOL/foreign language. May be repeated for credit, if content is different.

**Credits: 1**

## **CSE 680 Communication Theories**

Examination of theoretical models of communication and their application to various technologies of communication (e.g., print, video, motion picture film, etc.) to enhance training and instruction.

**Credits: 3**

## **CSE 681 Writing Grants for Technology**

Course will expose students to the many sources available for funding technology in educational settings. Students will learn to locate grant opportunities, understand the proposal process and develop a well-written grant proposal.

**Credits: 1**

## **CSE 684 Creating Web-Based Tutorials**

Explores a variety of ways for

delivering web based instruction using available freeware software and commonly used Microsoft Office products. Students will create and design tutorials using text, audio, images, screen captures, screen casting, animation, wikis and course-authoring products.

**Credits: 1**

## **CSE 685 Assessment Tools**

Explores the use of assessment to make informed instructional decisions at the classroom, program, school and district level. The difference between formative and summative assessment and the appropriate use of each will be examined. Students will apply the concepts learned to make informed instructional decisions based on available online assessment resources.

**Credits: 1**

## **CSE 686 Emerging Information Technology**

Study of current and emerging information systems from a philosophical and practical perspective. The origins, storage, transmission and retrieval of information will be explored, as well as the technologies that assist these activities. Content changes each term. May be repeated up to 6 credits.

**Credits: 3**

## **CSE 687 Mobile Technologies in Education**

Explores ways to use mobile devices for educational purposes in the classroom. Students will learn how to locate and evaluate educational applications to download on their devices and use these applications effectively with students in their classes. They will develop educational content such as podcasts and movies that can be played on mobile devices and will learn to program their own simple iPhone applications.

**Credits: 1**

## **CSE 688 Video Games and Learning**

Introduces educators to principles of learning found in video and computer games. Explores the use of video and computer games in teaching. Develops and expands students' understanding of the educational use of video and computer games through a series of readings, presentations, lab work, demonstrations, small group projects and independent exploration.

**Credits: 1**

## **CSE 689 Creating Electronic Portfolios**

Explores methods of showcasing best works in digital format. Focus on processing documents in a variety of formats so that they can be displayed digitally in a standard format appropriate for universal viewing, such as PDF. Attention to design and display of information.

**Credits: 1**

## **CSE 690 Digital Photography and Photo Editing**

Provides background and skills in digital photography for educators and school media specialists. Students will explore standard functions available on digital cameras, including macro focusing, copy stand work, field photography and QuickTime movies. Also covers digital photo editing, photo file management and image enhancement, including publishing to the web and importing to documents.

**Credits: 1**

## **CSE 691 Digital Storytelling**

Hands-on experience writing, shooting, editing and publishing short videos using simple video-editing tools. Students will learn how to work with video in a classroom setting and will explore a variety of inexpensive and free online tools.

**Credits: 1**

## **CSE 692 Learning Objects**

Explores the advantages and

# Course Descriptions

disadvantages of reusable educational content known as learning objects. Using web searches and exploration of learning object repositories, students will locate and evaluate free and inexpensive learning objects in a variety of content areas. They will learn to download and insert objects within educational materials such as websites, online courses or digital tutorials.

**Credits: 1**

## CSE 693 Making Music with Digital Tools

Explores free and inexpensive tools for creating, editing and publishing music digitally. Students will create musical pieces and use them in a variety of media such as video, websites, podcasts and exploration of effective ways to incorporate music in the classroom.

**Credits: 1**

## CSE 694 Blogs in Education

Explores uses of blogs in education, focusing on creating blogs for both teaching and professional development. Students will learn to create blogs using a variety of free blogging tools, add media to blogs, market their blogs, communicate with parents, students, colleagues and professionals via blogs, teach with blogs and embed blogs in their websites.

**Credits: 1**

## CSE 695 Collaboration Tools

Explores methods for using wikis and other web tools to teach collaboration skills in the classroom, for promoting collaboration in online classes and for participating in professional collaborations. Develops skills for creating and maintaining educational wikis and other tools.

**Credits: 1**

## CSE 696 Podcasts and Vodcasts

Focuses on developing skills for creating podcasts and vodcasts using free or inexpensive tools. Students will also locate high-quality educational

podcasts available through a variety of online sources and explore uses of podcasts and vodcasts in education.

**Credits: 1**

## CSE 697 Creating a Personal Learning Environment

Students will learn how to develop their own personal learning environment by creating connections to valuable educational resources and relevant content area experts; utilize tools such as RSS and aggregators to bring these resources directly to their desktops; develop skills for maintaining a constantly updated connection with breaking news within their disciplines; and will learn to become active participants by sharing their own expertise.

**Credits: 1**

## CSE 698 Special Topics in Educational Technology

An in-depth study of a special topic in educational technology, to be identified as the need arises.

May be repeated for credit, if content is different.

**Credits: 1**

## CSE 699 Advanced Research Study (International)

Course is reserved for international students completing a final thesis, project, portfolio or studying for comprehensive exams. All other coursework in master's degree program must be completed.

May be repeated four times for credit.

**Credits: 3**

## CIE 213 Introduction to Cybercrime

This course provides a foundational introduction to the world of cybercrime. Topics include types and extent of cybercrime and the laws that address these crimes. Students will gain an understanding of cybercrime and other abuses arising in a cyber environment.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CIE 305 Ethics in Cybercrime Investigation and Enforcement

This course examines major ethical theories and issues relevant to cybercrime investigation and enforcement. Emphasis is placed on ethical practices and dilemmas that affect practitioners as they face various ethical issues in the investigation and enforcement of cybercrime.

**Credits: 4**

**Prerequisite:** CIE 213

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CIE 321 Principles of Cyber Forensic Investigations

This course includes a study of the history, philosophy, and theory of the use of digital evidence in the U.S. criminal justice system as it relates specifically to cybercrime. Students will learn how to apply forensics techniques throughout an investigation life cycle with a focus on complying with legal requirements.

**Credits: 4**

**Prerequisite:** CIE 213

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CIE 407 Capstone Seminar in Cybercrime Investigation and Enforcement

This course uses professional writing skills development to help students synthesize and apply concepts and theories learned from internships and prior coursework in the program. Through writing in this capstone course, students will be required to create a final research paper at the end of the course that reflects their clear understanding of the relationship between theory and practice in the field. All students are required to complete this course to graduate from the program.

**Credits: 4**

**Prerequisite:** Senior standing or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## CIE 409 Cybercrime Investigation and Enforcement Practicum

Combines hours spent working at CIE or social service agencies with students' own identified academic goals to enhance an understanding of how CIE functions. Students learn about and are exposed to the ethical practice and professionalism inherent in their chosen practicum agency. Upon completion of practicum, students will be able to describe the role of the practicum agency in CIE, understand professional and ethical practices of CIE practitioners, and understand the relationship between the practicum agency and other criminal justice agencies as it relates to CIE.

May be repeated for up to 8 credits. Pass-No Credit (P/NC) grading only. Eligible for the RP grade option.

**Credits: 4**

**Prerequisite:** *Practicum experiences are completed during the junior or senior year of study, consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## CIE 425 Contemporary Issues on Cybercrime and Cybersecurity

This course explores key issues related to cyberspace as a domain of conflict. Challenges in cybersecurity are addressed from political, strategic, and legal perspectives. From individual to state actors, this course examines how cyberspace is weaponized and the implications of this relatively new domain for enforcement and investigation of crime.

**Credits: 4**

**Prerequisite:** CIE 213

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## D 101 Beginning Ballet

This course is an introduction at a beginning level to ballet technique, theory and performance. Course material includes introduction to the basic concepts of body alignment and technique in traditional ballet. Course emphasizes basic movement

sequences, the accompanying French terminology, history, practice and performance.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## D 102 Beginning Jazz Dance

This course is an introduction at a beginning level to jazz dance technique, theory and performance. Course material includes introduction to the basic concepts of body alignment and technique in the jazz dance style. Course focuses on consolidating skills in rhythmic awareness, accompanying terminology, history, practice and performance.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## D 103 Beginning Modern Dance

This course is an introduction at a beginning level to contemporary dance technique, theory and performance. Course material includes introduction to the basic concepts of body alignment and technique in the contemporary dance style. Course focuses on consolidating skills in creative expression, accompanying terminology, history, practice and performance.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## D 104 Beginning Tap Dance

This course is an introduction at a beginning level to tap dance technique, theory and performance. Course material includes introduction to the basic concepts of rhythmic awareness and technique in tap dance style. Course focuses on consolidating skills with steps and techniques, accompanying terminology, history, practice and performance.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## D 110 Transition to WOU Dance

This course helps orient students to dance as an academic discipline, broadens understanding of careers in dance, establishes solid approaches to studying dance and connects dance experiences on campus to previous training and future dance interests.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 120 Introduction to Ballroom Dance

An introductory study of fundamental ballroom dance techniques. This course is intended to be a class for students who have little or no experience with ballroom dance. Students will experience dancing the Fox-Trot, Waltz, Swing, American Tango, Rumba, Samba, Merengue and the Cha-Cha. The class will cover the unique rhythm, timing, and style that characterize each dance and will emphasize proper techniques for both leading and following a partner. No previous dance training required. May be repeated for up to 6 credits. Eligible for the RP grade option.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 170 World Dance: Salsa

This course is an exploration of the Salsa dance form as it takes shape in different locations throughout Latin America. Particular attention will be paid to the Cuban dance form Casino Rueda and how it supports cultural mores and values throughout the Latin diaspora.

May be repeated for credit.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Citizenship, Social Responsibility, and Global Awareness*

# Course Descriptions

## D 171 World Dance: Hula

This course is an exploration of the Polynesian dance form hula which is performed throughout the Hawaiian Islands. Particular attention will be paid to hula 'auana (modern hula) and how it supports contemporary cultural mores and values throughout the Hawaiian Islands.

May be repeated for credit.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## D 172 World Dance: African

This course is an exploration of West African dance forms from Senegal and Guinea. Particular attention will be paid to how current iterations of ancient dances support contemporary cultural mores and values for the peoples of Senegal and Guinea, West Africa.

May be repeated for credit.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## D 177 Beginning Hip-Hop

This course is an exploration of urban and street dance forms as they take shape in different locations around the world. Particular attention will be paid to the musical, corporeal, visual, spoken word, and literary manifestations that hip-hop yields to build specific cultural communities in given national and global contexts.

May be repeated for credit.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## D 199 Special Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-15**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 240 Wellness for Dancers

Introduces dance majors to the importance of healthy practices for improved health, well-being and dance performance. A series of individual assessments and health screenings will be conducted for dancers to gain knowledge of their current practices and as a basis for designing programs for optimal wellness and performance.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 241 Awareness In Action: Listening To The Body

In the class Awareness In Action: Listening To The Body, students will learn about Somatics. Somatics is the field which studies the soma, which is the body as perceived from within, as opposed to the body as perceived by another. In this class students will learn about key contributors to the field of somatics and different somatic movement practices. Through the integration of somatics into dance training and daily life, students learn to listen to their bodies and become aware of habitual neuromuscular patterns. Once we engage in self awareness or somatic practices, we are able to acknowledge inefficient habitual movement patterns, muscular imbalances, and structural anatomical limitations that we may possess. As a result, students will expand options for new ways of moving, increase sensitivity and improve efficiency. When asked "what is somatics?" my general answer is the study of the self in the moment. It is a deep investigation of the self in many capacities and is based in movement. Participants often experience moments of deep reflection, relaxation, and body and self-awareness.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 250 Drumming for Dancers

Utilizes West African rhythms to develop the auditory skills for dancers to translate both oral and written drumming notation into kinesthetic expression. Dancers develop skills that directly inform and support dance technique, choreography and pedagogy.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 251 Dance and World Cultures

Introduces the terminology, movement properties and influences that comprise dance as ritual, ceremonial, performance, and entertainment within western and non-western dance genres, cultures and societies.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## D 252 Latin Dances Around The World

This course is designed to introduce and explore the origins of the various forms and roles of dance in the Latin diaspora, such as ritual dance, folk, social, classical and contemporary performance. Also examined will be how and why people in the diaspora dance as well as how and why people watch dance, with concern for becoming more conscious and informed viewers.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## D 253 Dances That Changed the World

This course is designed as an introduction to dance styles, forms, customs and performances and examines the role of dance in society.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social,*

# Course Descriptions

## *Historic, and Civic Perspectives*

### **D 254 Dance, Gender and Society**

This course will analyze dance and choreography through the lens of gender and its effects on the development of dance as an art form.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

### **D 255 Introduction To Dance**

Introduces the origins of some of the various forms of dance, such as ballet, modern, musical theatre, jazz, tap, folk and/or popular dance forms. Also examined will be how and why people dance, and the function of dance in human society from a cross-cultural perspective.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

### **D 260 Dance Improvisation**

Explorations to foster movement invention and spontaneity, including structured and open improvisations incorporating other media such as music, text and props. Concurrent registration in a dance technique class is strongly advised.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

### **D 270 Dance Partnering**

Provides fundamental skills for beginning and intermediate partnering work with an emphasis on personal safety and creativity. Based on biomechanical principles, students develop skills to facilitate partnering interactions utilizing learned partnering vocabulary and sequences.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 277 Intermediate Hip-Hop - 1**

Intermediate level Hip Hop dance blended with a commercial urban-inspired street-dance style to create fun and challenging choreography. D 277, D 278, and D 279 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 278 Intermediate Hip-Hop - 2**

Intermediate level Hip Hop dance blended with a commercial urban-inspired street-dance style to create fun and challenging choreography. D 277, D 278, and D 279 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 279 Intermediate Hip-Hop - 3**

Intermediate level Hip Hop dance blended with a commercial urban-inspired street-dance style to create fun and challenging choreography. D 277, D 278, and D 279 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 280 Intermediate Modern Dance - 1**

Modern dance sequence emphasizing technique, body alignment and continued practice with creative expression and performance in the modern dance style. D 280, D 281, and D 282 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 281 Intermediate Modern Dance - 2**

Modern dance sequence further developing body alignment, technique, creative expression and performance

in the modern dance style. D 280, D 281, and D 282 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 282 Intermediate Modern Dance - 3**

Modern dance sequence consolidating skills in body alignment, technique, creative expression and performance in the modern dance style. D 280, D 281, and D 282 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 285 Intermediate Ballet - 1**

Ballet sequence emphasizing alignment, technique, expanding movement vocabulary and performance skills. D 285, D 286, and D 287 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 286 Intermediate Ballet - 2**

Ballet sequence further developing alignment and technique, expanding movement vocabulary and performance skills. D 285, D 286, and D 287 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

### **D 287 Intermediate Ballet - 3**

Ballet sequence consolidating skills in alignment and technique, expanding movement vocabulary and performance skills. D 285, D 286, and D 287 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## D 288 Intermediate Jazz Dance - 1

Jazz dance sequence emphasizing body alignment, technique, body isolations, syncopated rhythms and performance. D 288, D 289, and D 290 may be taken in any order. May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 289 Intermediate Jazz Dance - 2

Jazz dance sequence further developing body alignment, technique, body isolations, syncopated rhythms and performance. D 288, D 289, and D 290 may be taken in any order. May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 290 Intermediate Jazz Dance - 3

Jazz dance sequence consolidating skills in body alignment, technique, body isolations, syncopated rhythms and performance. D 288, D 289, and D 290 may be taken in any order. May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 296 Intermediate Tap Dance - F

Tap dance sequence emphasizing steps, technique and longer, more complex rhythms in a variety of jazz styles. D 296, D 297, and D 298 may be taken in any order. May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 297 Intermediate Tap Dance - W

Tap dance sequence further developing steps, technique and longer, more complex rhythms in a

variety of jazz styles. D 296, D 297, and D 298 may be taken in any order. May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 298 Intermediate Tap Dance - S

Tap dance sequence consolidating skills in technique, step vocabulary and longer, more complex rhythms in a variety of jazz styles. D 296, D 297, and D 298 may be taken in any order. May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 300 Human Movement Analysis

A survey of notation methods used for the recording and analysis of basic movements of the human body. The methods will include: Labanotation, computer generated notation and video notation. These methods are applicable to those fields in which there is a need to record human motion: dance, athletics, anthropology and physiotherapy.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 301 Pointe Technique 1

First course in the introduction to pointe technique, emphasizing classical ballet vocabulary, historical perspectives, anatomy and prevention of pointe-related injuries. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 302 Pointe Technique 2

Second course in the introduction to pointe technique, further developing classical ballet vocabulary, historical perspectives, anatomy and prevention of pointe-related injuries. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

## D 303 Pointe Technique 3

Third course in the introductory to pointe technique, consolidating skills in classical ballet vocabulary, historical perspectives, anatomy and prevention of pointe-related injuries. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 320 Dance Studio Management

This course will study and evaluate methods and materials for starting and managing a dance studio. Topics examined will include: market analysis, management, staff, competition, facilities, legal entities and insurance as well as developing personal marketing, budgets and financial plans.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 330 Rhythmic Awareness

An exploration of the musical components of rhythm in relation to dance. Elements such as beat, meter and form are studied and developed in the context of movement and choreography. Also explored is the potential for collaboration between dancers and musicians and basic elements of rhythmic notation.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 340 Conditioning for Dancers

Participation in physical conditioning and information on how to create an individualized conditioning program specifically designed for dancers.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 351 Dance Composition I

This course will explore choreographic

# Course Descriptions

concepts as they relate to the elements of space, time and force. Emphasis will be placed on solo compositions.

**Credits: 3**

**Prerequisite:** D 260

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 352 Dance Composition II

This course will explore choreographic concepts as they relate to the elements of spatial design, musical form, character study and textural differences.

**Credits: 3**

**Prerequisite:** D 351 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 380 Pre-Advanced Modern Dance - 1

Modern dance sequence emphasizing body alignment, technique, expanding movement vocabulary, improvisation skills, personal expression and performance. D 380, D 381, and D 382 can be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 381 Pre-Advanced Modern Dance - 2

Modern dance sequence further developing body alignment, technique, expanding movement vocabulary, improvisation skills, personal expression and performance. D 380, D 381, and D 382 can be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 382 Pre-Advanced Modern Dance - 3

Modern dance sequence consolidating skills in body alignment, technique, expanding movement vocabulary, improvisation, personal expression

and performance. D 380, D 381, and D 382 can be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 385 Pre-Advanced Ballet - 1

Ballet sequence emphasizing alignment and technique, including more complex adagio, petite and grande allegro combinations, with focus on performance skills. D 385, D 386, and D 387 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 386 Pre-Advanced Ballet - 2

Ballet sequence further developing alignment and technique, including more complex adagio, petite and grande allegro combinations, with focus on performance skills. D 385, D 386, and D 387 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 387 Pre-Advanced Ballet - 3

Ballet sequence consolidating skills in alignment and technique, including more complex adagio, petite and grande allegro combinations, with focus on performance skills. D 385, D 386, and D 387 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 390 Kinesiology for Dance

Survey of kinesiology principles as related to basic movement. The areas emphasized are anatomy, physiology, biomechanics, movement behavior and various alignment and conditioning techniques. Students become aware of their personal movement behavior and investigate

ways of becoming movement efficient.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 399 Special Studies: Dance Concert and/or Musical

Participation by performing or crewing in a dance concert or musical theatre production. By audition only. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** Audition required

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 405 Senior Project

Each graduating senior with a B.A./B.S. in Dance or a B.A./B.S. in The Arts with a dance emphasis will complete a final capstone experience on a selected topic in the field of dance. Students are responsible for the creation, rehearsal, research and the project presentation. Eligible for the RP grade option.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 406 Independent Studies in Dance

For students who wish to study in-depth selected topics in dance history, theory, education or criticism. Only 3 credits of D 406 and D 408, singly or combined, count as electives in the dance minor.

May be repeated for up to 16 credits.

Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** Intermediate-level dance study and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## D 408 Workshop

Terms and hours to be arranged. (To allow for various workshops in dance, e.g., Pas de Deux, men's techniques, African dance, etc.)

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 409 Internship

Terms and hours to be arranged.

Supervised practical experience in a professional dance field. Such experiences may include performing in a dance company, teaching at a dance studio/school and choreographing for studios or companies or schools.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 410 Capstone and Careers In Dance

This course helps prepare students for the transition from college student to dance professional. Topics include developing resumés, preparing for auditions, dancing in a company, starting a company, professionalism, teaching in a studio, a school, or a college and what resources are available to assist in the transitioning process.

**Credits: 2**

**Prerequisite:** *Senior standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 450 Dance Repertory

Intermediate and advanced students have an opportunity to work with regionally and/or nationally renowned guest artists who set repertory works, historical works or create new work on WOU dance students. The piece will be performed in the annual dance concert at WOU and is often performed and adjudicated at the regional American College Dance Festival. By audition only. May be repeated for credit. Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 451 Dance Production

Provides the practical and theoretical knowledge of the various areas of dance production. Included will be practical experience in sound production, lighting, costume, makeup, management and publicity.

**Credits: 3**

**Corequisite:** D 451L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 451L Dance Production Lab

Designed to give students a hands-on experience in the study and practical application of the aesthetic and technical aspects of the production of a dance concert.

**Credits: 1**

**Corequisite:** D 451

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 453 Ballet History

Covers development of ballet from its roots in the Renaissance courts through the Romantic and Classical eras to the present.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 454 Evolution of Modern Dance

Covers the development of modern dance and the philosophies of the leading modern dancers of the 20th century from Duncan to the present.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 455 Advanced Choreography

Examines the use of groups of dancers as they relate to design, shape, focus, space and balance. Introduction to and experience with formal dance structure will be included

as well as analysis and evaluation of well-known choreographic works. Other special considerations of group choreography will also be addressed.

**Credits: 3**

**Prerequisite:** D 260, D 351 and D 352 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 456 Choreography for the Camera

Advanced study of choreography tailored to individual student interests with applications to dance for the camera work. Includes interdisciplinary, site-specific and/or collaborative formats.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 460 Dance and Technology

Introduction to the use of desktop multimedia applications and peripherals applied specifically to dance production and the creative process.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 480 Advanced Modern Dance - 1

Modern dance sequence emphasizing body alignment, technique, expanding movement vocabulary, improvisation, personal expression and performance at a pre-professional level. D 480, D 481, and D 482 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 481 Advanced Modern Dance - 2

Modern dance sequence further developing body alignment, technique, expanding movement vocabulary, improvisation personal expression and performance at a pre-professional level. D 480, D 481, and D 482 may be



# Course Descriptions

taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 482 Advanced Modern Dance - 3

Modern dance sequence consolidating skills in body alignment, technique, expanding movement vocabulary, improvisation, personal expression and performance at a pre-professional level. D 480, D 481, and D 482 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 485 Advanced Ballet - 1

Ballet sequence emphasizing alignment and technique, more complex adagio, petite and grande allegro combinations, with focus on performance skills at the pre-professional level. D 485, D 486, and D 487 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 486 Advanced Ballet - 2

Ballet sequence further developing technique, more complex adagio, petite and grande allegro combinations, with focus on performance skills at the pre-professional level. D 485, D 486, and D 487 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 487 Advanced Ballet - 3

Ballet sequence consolidating skills in technique, more complex adagio, petite and grande allegro combinations, with focus on performance skills at the pre-professional level. D 485, D 486, and D 487 may be taken in any order.

May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 491 Creative Dance for Children

Course explores dance concepts and expressive movement. Included will be how creative movement develops creativity, supports learning in other subject areas and fosters understanding of other cultures at an elementary education level.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## D 494 Dance Teaching Methods

Study and evaluation of methods and materials for teaching dance in a studio setting. The topics examined include: how to build a dance class, what to teach and methodology involved. Practical application of the methods will be emphasized.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## DATA 101 Foundations of Data Analytics

This course utilizes a quantitative approach to explore fundamental concepts in data analytics. Students will develop foundational skills as they interact with real-world data sets across a variety of domain knowledge areas. Ethical and privacy concerns are also explored.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## DATA 432 Introduction to Data Analytics

This course provides an introduction to the discovery and use of information in data for the purpose of decision making. Common techniques in the analysis of large volumes of data, often referred to as Big Data/Business Intelligence/Machine Learning will be introduced along with problem

identification and framing tools.

**Credits: 4**

**Prerequisite:** CS 133 or CS 135 or CS 161, and either BA 243 or CS 260 or STAT 243Z, each with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DATA 434 Data Visualization

This course introduces data visualization and exploration using contemporary analysis tools. Emphasis will be placed on incorporating storytelling with data into the architecture of information system solutions.

**Credits: 4**

**Prerequisite:** CS 133 or CS 135 or CS 161, and either BA 243 or CS 260 or STAT 243Z, each with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DATA 436 Learning from Data

Building on the frameworks introduced in IS 432, this course reviews a wide variety of machine learning techniques used for building and refining models for decision making. Support Vector Machines are introduced and a variety of Kernel based learning approaches are explored.

**Credits: 4**

**Prerequisite:** DATA 432 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DATA 438 Analysis of Social and Economic Networks

This course introduces the use of tools based on information theory, graph theory and game theory to explain aggregate behaviors in social networks, markets and the internet. It will introduce students to common analysis techniques for network data sets and examine archetypical instances drawn from various disciplines.

**Credits: 4**

**Prerequisite:** CS 133 or CS 135 or CS 161, and either BA 243 or CS 260 or STAT 243Z, each with a grade

# Course Descriptions

of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DATA 471 Advanced Techniques for Data Analytics

This course builds upon introductory data analytics techniques and further develops that toolkit with advanced topics, including addressing ethical concerns in the field. These techniques will be studied through the lens of real-world case studies in preparation for the capstone project.

**Credits: 4**

**Prerequisite:** DATA 436 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DATA 472 Data Analytics Project Development

This is first of a two-course sequence that is centered around a group project that stems from a real-world question with use of real-world data. In this course, students will develop a problem or question, understand the data requirements, collect the data, and prepare the data to start the model planning process. Students bring together the techniques and skills from the various fields, and will weave in professional practice, teamwork, and ethics.

**Credits: 4**

**Prerequisite:** DATA 471 with a grade of C or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DATA 473 Data Analytics Project Deployment

This is the second of a two-course sequence that is centered around a group project that stems from a real-world question with the use of real-world data. In this course, students build upon the work already done and start with the model planning process. From there, they will build, evaluate, and deploy the project. Students bring together the techniques and skills from the various fields and will weave in professional practice, teamwork, and ethics.

**Credits: 4**

**Prerequisite:** DATA 472 with a grade of C or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## DHHE 609 Practicum in Deaf and Hard of Hearing Education

Intended to help beginning educators develop a toolkit for thinking more deeply about themselves and getting to know the communities in which they will teach. Lab experiences are designed to develop habits of mind that will allow beginning teachers to see themselves, children, families and communities with empathy and curiosity, rather than assumption and judgment. In addition, students will participate in hands-on work, including finding resources and interests (rather than problems and deficits) in children's lives, which can then be drawn on in the classroom. May be repeated for up to 3 credits.

**Credits: 1-3**

**Prerequisite:** Acceptance to DHHE Program or consent of instructor

## DHHE 611 Foundations of Deaf Education

Various theories of deaf education, epistemological frameworks, social and cultural perspectives and developmentally appropriate practices of how students learn will be discussed and explored. Demographic, legal, educational, political, medical and social perspectives that influences educational delivery of deaf and hard of hearing students will be examined.

**Credits: 3**

**Prerequisite:** Acceptance to DHHE Program or consent of instructor

## DHHE 623 Academic Discourse in Deaf and Hard of Hearing Education

Strategies for delivering instruction in ASL discourse. Students are encouraged to build on their ASL skills to effectively teach concepts in their content area. Topics include target vocabulary for effective transmission of information, curriculum development and assessment of language. This course will support future ED-TPA

concerns.

**Credits: 3**

**Prerequisite:** Acceptance to DHHE Program or consent of instructor

## DHHE 625 Structure of ASL and English in the Classroom

Students analyze the development of the linguistic structures in American Sign Language and English. Semantics, morphology, syntax and other topics will be discussed, focusing on early communication development. Variations in linguistic use, such as code switching, will be discussed. Special focus will be placed on signacy, oracy and literacy in deaf schools.

**Credits: 3**

**Prerequisite:** Acceptance to DHHE Program or consent of instructor

## DHHE 629 Advocacy in Deaf Education

This course focuses on an understanding of the deaf community's long standing campaigns for inclusion, equity, and sign language rights from an advocacy perspective. Topics covered include the history and status of sign language in education, language planning, advocacy as a responsibility of the teacher of the deaf, as well as teaching advocacy strategies to students who are deaf and hard of hearing (and their parents). Advocacy is discussed through the role and responsibility of the teacher of the deaf and in contexts such as classroom/instructional planning, IEP writing and meetings, data collection, school-wide policy, parent support and interaction, and more.

**Credits: 3**

**Prerequisite:** Acceptance to DHHE Program

## DHHE 630 Introduction to Research in DHHE

This course is designed to provide teacher candidates an introduction to current research on the education of students who are deaf and hard of hearing, as well as to provide guidance and resources for navigating valid educational research for their own

# Course Descriptions

purposes.

**Credits: 1**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 639 Student Teaching I

Teacher candidates will complete a 10-week student teaching experience within a self-contained classroom setting in the pre-service teacher's primary area of teaching licensure.

**Credits: 8**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 640 Student Teaching II

Teacher candidates will complete 10-week student teaching experience within a mainstreamed or itinerant setting in the pre-service teacher's primary area of teaching licensure.

**Credits: 8**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 642 Professional Project

The Professional Project is an independent continuation of skills and concepts introduced in DHHE 630 (Introduction to Research in DHHE). By the end of the course, students will design and create a product that will serve as a new resource for teachers of the deaf as they work toward solving problems and reducing barriers in the field. Independent research will showcase a special issue or problem in Deaf Education. Students will draw from their knowledge and experiences accumulated during their preparation through the program, exploration of existing research, and field experience. These research reviews and final products will contribute to a resource library for all programs in the COE. Students will also place a copy of their research project and developed materials in their teaching portfolio at the end of the program.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 643 Instructional Approaches in DHHE

Students will examine pedagogical strategies in several topics, delivery of information, adaptation and development of curriculum and materials. Current research and applicable practices highlighting classroom management approaches are also discussed. Students will discuss accommodations for special populations in deaf classrooms.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 644 Curriculum Methods in Deaf Education

Students will examine multiple instructional methods and curriculum resources through readings, seminars, observation and lectures with faculty. Students will participate in discussions regarding instructional strategies, classroom management, assessment, IEP academic goals and the use of curriculum materials. The primary focus of this course is to align curriculum content with Common Core Standards and make content applicable to learners.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 645 Language and Literacy Applications in Deaf Classrooms

Encourages students to become familiar with English Literacy Development. There is a strong emphasis on Early Literacy Development and topics of discussion will be literacy theories, approaches and research based applications on incorporating literacy in all core subjects.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 646 Assessment Principles and Practices

Students will focus on the use of assessment as a tool for monitoring

student progress in deduction.

Formative and summative assessment strategies will be discussed, with the emphasis of reliability and validity in the generation of data. Collection of data to monitor present levels of performance and IEP goals will be discussed. There will be discussion of standardized testing and Common Core State Standards.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 647 Classroom Management in DHHE

Students will examine classroom management strategies, such as modifying the delivery of information, using visual strategies in classroom management. Students will research several different management strategies, and discuss these strategies in working with deaf and hard of hearing populations. Students will discuss accommodations for special populations in deaf classrooms.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program*

## DHHE 648 Audiology for Educators

Students will explore the mechanisms of hearing and speech. Technological advances in hearing, speech development, and procedures in speech acquisition will be discussed. Topics include audiological and spoken language assessments, methods for use of oracy in the classroom, cochlear implants, hearing aids and other devices and supporting deaf and hard of hearing students with their hearing needs.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 649 Spoken English Development

In this course, students will explore the development of spoken language in typically developing children. How to recognize language delays and/or disorders through language analysis

# Course Descriptions

will be discussed in this course. Topics will include: developmental milestones, language assessments, methods for language development in the home and classroom, and supporting children/students with a language delay/disorder with their language needs.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program*

## DHHE 650 Multiculturalism in Deaf Education

Students will discuss theories of culturally relevant and sustaining pedagogues and multiculturalism. Teacher candidates will learn about varying backgrounds in students, other than deafness. Topics such as race, social class, gender, diverse families and educational abilities will be discussed.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 651 Law and Ethics in Deaf Education

This course is designed to provide teacher candidates an in-depth examination of the current and anticipated ethical issues and dilemmas facing the field of Deaf Education and the role of character education in our society. In this course students will review the educational policy making process and examine the complex web of federal, state, and local laws and principles governing special education with specific application to Deaf Education. Students will learn to apply relevant legal principles to hypothetical situations typical of those that occur in schools that serve students who are Deaf and Hard of Hearing. Students will have opportunities to reflect critically upon the impact and implications of ethical application to legal statutes in education.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program*

## DHHE 654 Case Management for Itinerant Teachers of the Deaf

This course will assist students in developing the skills associated with effective case management in an itinerant work context. Students will be required to complete a simulated case management project which will include skills related to creating complex schedules for service, travel, and other responsibilities; task planning for student needs, goals, etc.; record keeping and data tracking systems; managing reporting requirements; coordination responsibilities, and general time management and organization skills. Students will learn how to plan and integrate flexibility into their work practice.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program*

## DHHE 655 Technology in Deaf Education

This course is designed to promote examination of ways in which modern technologies can be integrated effectively in educational settings for the enhancement of teaching, learning, and student engagement. Focus on the benefit to deaf and hard of hearing learners will be integrated into exposure and practice opportunities with current technologies.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program*

## DHHE 656 Educational Environments for Itinerant Teachers of the Deaf

This course introduces different educational approaches in Deaf and Hard of Hearing Education and professional roles for itinerant teachers of the deaf. The focus of this course is establishing successful collaborative relationships with families, educators and other professionals in diverse roles and settings applicable to the itinerant teacher. Environments and roles include 1:1 instruction settings, pull-out settings, push-in settings, team teaching (co-teaching) roles, advising and consultation roles for teaching professionals and other staff, and the role on the itinerant teacher on the IEP team. Co-teaching as a means of effectively partnering with general educators is highlighted as well as the

importance of staying current with best practices in the field via professional development. Significance is placed on partnerships and networking with other professionals, paraprofessionals and families as team members designing, implementing and evaluating appropriate educational experiences for deaf students with disabilities.

**Credits: 3**

**Prerequisite:** *Admission to DHHE Program or consent of instructor*

## DHHE 665 Teaching Deaf and Hard of Hearing Learners with Multiple Disabilities

Course provides information regarding deaf and hard of hearing students with other disabilities. These needs may include cognitive, emotional, behavioral and physical disabilities. Example topics include ADHD, CHARGE syndrome, Usher's syndrome, autism, learning disabilities or cerebral palsy. Emphasis on assessment, teaching strategies, IEP development and working with parents.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## DHHE 683 Ethical Practices in Working with Deaf and Hard of Hearing Students

The various needs of individual children and their families will be examined. Topics include different linguistic modalities and educational environments in deaf and hard of hearing education.

**Credits: 3**

**Prerequisite:** *Acceptance to DHHE Program or consent of instructor*

## ES 104 Exploring the Physical Earth

The introductory Earth System Science courses at WOU integrate fundamental concepts of chemistry, physics, and geology to study how the Earth operates as a system. This course focuses on the solar system, the processes driven by the interior of Earth, including plate tectonics, earthquakes, volcanism, and

# Course Descriptions

introduction to study of Earth materials. Active learning strategies threaded through the lecture portion of the course and inquiry-based labs emphasize scientific reasoning and application of appropriate techniques to define and solve problems. Three hours of lecture and one two-hour laboratory per week.

**Credits: 4**

**Corequisite:** ES 104L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## ES 104L Lab: Exploring the Physical Earth

To be taken concurrently with ES 104.

**Credits: 0**

**Corequisite:** ES 104

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 105 Discoveries in Earth Science

This course emphasizes critical thinking through the lens of scientific discoveries that have advanced human knowledge of planet Earth, our home. Included in this framework are investigations of Earth's place in the Universe, age of the Earth, development of the plate tectonic theory, and exploration of catastrophic geologic events that have impacted the Pacific Northwest, with implications for the future sustainability of humans living in the region. Active learning strategies and hands-on exploratory exercises provide students with opportunities to analyze, evaluate, synthesize, and apply information to increase both science literacy and critical thinking skills.

Two hours of lecture and two hours of laboratory per week.

**Credits: 4**

**Corequisite:** ES 105L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## ES 105L Lab: Discoveries in Earth Science

To be taken concurrently with ES 105.

**Credits: 0**

**Corequisite:** ES 105

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 106 Exploring the Oceans and Atmosphere

The introductory Earth System Science courses at WOU integrate fundamental concepts of chemistry, physics, and geology to study how the Earth operates as a system. This course focuses on human impacts to the Earth system, including chemical and physical aspects of water, water pollution, oceanography, the atmosphere, air pollution, meteorology and global climate change. Active learning strategies threaded through the lecture portion of the course and inquiry-based labs emphasize scientific reasoning and application of appropriate techniques to define and solve problems.

Three hours of lecture and one two-hour laboratory per week.

**Credits: 4**

**Corequisite:** ES 106L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## ES 106L Lab: Exploring the Oceans and Atmosphere

To be taken concurrently with ES 106.

**Credits: 0**

**Corequisite:** ES 106

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 201 Principles of Geology

Introductory physical geology course that emphasizes Earth's internal processes. Students will develop content knowledge and gain hands-on experience with a variety of geologic concepts, including plate tectonics, minerals, igneous rocks and processes, volcanism, metamorphism and metamorphic rocks, rock deformation, geologic structures, and earthquakes. The focus is on content that is relevant to the Pacific Northwest.

Three hours of lecture and one two-

hour laboratory per week

**Credits: 4**

**Corequisite:** ES 201L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## ES 201L Lab: Principles of Geology

To be taken concurrently with ES 201.

**Credits: 0**

**Corequisite:** ES 201

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 202 Principles of Geology

Emphasizes Earth surface processes with topics including sedimentary rocks, sedimentary processes, rock weathering, mass wasting, river systems, groundwater, glaciers, deserts and coastal processes. Three lectures and one two-hour laboratory per week.

**Credits: 4**

**Corequisite:** ES 202L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## ES 202L Lab: Principles of Geology

To be taken concurrently with ES 202.

**Credits: 0**

**Corequisite:** ES 202

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 203 Principles of Geology

Explores the origin and dynamics of Earth's interior, surface, ocean, atmospheric and biological systems and critically evaluates topics including the age of the Earth and the origin of life.

Three lectures and one two-hour laboratory per week.

**Credits: 4**

**Corequisite:** ES 203L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

# Course Descriptions

## ES 203L Lab: Principles of Geology

To be taken concurrently with ES 203.  
**Credits: 0**  
**Corequisite:** ES 203  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 301 Earth Materials

Introduction to the classification, composition, and properties of the materials that compose the Earth, how these materials are studied, and how they are used to interpret Earth history and processes. Course emphasizes common rock-forming minerals in the context of igneous, metamorphic, and sedimentary rocks. Lab work includes the systematic study of rocks and minerals in hand sample and in thin section using petrographic microscopy. Two hours of lecture and two hours of laboratory per week. Additional field trips outside of scheduled class time may be required.

**Credits: 4**  
**Prerequisite:** ES 104, ES 201, or consent of instructor  
**Corequisite:** ES 301L  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 301L Lab: Earth Materials

To be taken concurrently with ES 301.  
**Credits: 0**  
**Corequisite:** ES 301  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 302 Quantitative Methods

Focus on quantitative techniques in geology, applied mathematics, basic statistics, software applications and field technology. Three hours of lecture, laboratory, and active learning per week. Additional field trips outside of scheduled class time may be required.  
**Credits: 3**  
**Prerequisite:** Introductory geology course (may be taken concurrently) or consent of instructor  
**Corequisite:** ES 302L  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 302L Lab: Quantitative Methods

To be taken concurrently with ES 302.  
**Credits: 0**  
**Corequisite:** ES 302  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 303 Geologic Field Techniques

Introduction to the methods and techniques of geological observation and interpretation, with an emphasis on understanding Earth processes in the field and reconstructing the physical history of the Earth; the stratigraphic, petrologic and structural relations of rocks; geological illustration and report writing. One three-hour laboratory; required weekend field trips.

**Credits: 1**  
**Prerequisite:** ES 203 (may be taken concurrently) or consent of instructor  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 321 Structural Geology

Introduction to mapping, analysis and interpretation of folds, faults, lineations, foliations and other structures exhibited by rocks. Emphasis is on the basic techniques of analyzing geologic structures associated in space and time and interpreting the structural history of the lithosphere.

Four hours of lecture and active learning per week; required field trip.  
**Credits: 4**  
**Prerequisite:** ES 201 or consent of instructor  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 322 Geomorphology and Aerial Photo Interpretation

Study of the physical and chemical processes operating at the earth's surface and their resulting landforms. Topics include weathering processes, soils, mass wasting, river systems, glacial phenomena, tectonic landscapes, volcanic areas and coastal regions. Analytical techniques

include interpretation of aerial photographs, map analysis and quantitative approaches to geologic problem-solving. Supplemental field trips are incorporated as needed. Four hours of lecture and active learning per week.  
**Credits: 4**  
**Prerequisite:** ES 201 and ES 202 or consent of instructor  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 324 Living With Earthquakes and Volcanoes

Course explores the impact of earthquakes and volcanoes on humans and the environment throughout history. Study the mechanisms that cause earthquakes and volcanoes, threats to people, infrastructure, and natural resources in the western United States, and how technologic advances can be used to mitigate hazards and reduce risk. Four hours of lecture and active learning per week.

**Credits: 4**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Integrating Knowledge Science, Technology, and Society**

## ES 331 Introduction to Oceanography

Introduction to physical oceanography with topics including sea floor tectonics, ocean basin physiography, sediment production and transport, physical properties of sea water, chemistry of sea water, air-sea interaction, ocean circulation, tides, waves and coastal processes. Three hours of lecture and active learning per week.

**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 340 Geospatial Techniques

Introduction to applied field and laboratory techniques used to capture, store, manipulate, visualize and analyze geospatial data. Geospatial techniques together with remote sensing, geographic information science, Global Positioning System

# Course Descriptions

(GPS), cartography, and spatial statistics are applied to understand complex spatial relationships and solve real-world environmental problems.

Four hours of lecture and active learning per week.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## ES 341 Geographic Information Systems I

Introduction to Geographic Information Systems using the ArcGIS software platform. Topics include cartographic principles, coordinate systems, map projections, vector/raster data models, geodatabases, attribute data management, data exploration/queries, data display, map production, geoprocessing, attribute/feature editing and metadata. Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *ES 202 and GEOG 105 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 342 Geographic Information Systems II

Continuation of Geographic Information Systems I, using ArcGIS software platform. Topics include advanced editing, spatial analysis, vector data analysis, raster data analysis, terrain mapping, watershed analysis, spatial interpolation, geocoding, network analysis, GIS Modeling, Python scripting. Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *ES 341 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 343 Remote Sensing

Introduction to Remote Sensing and the acquisition of images at the Earth's surface. Topics include introduction to photogrammetric principles,

electromagnetic radiation, spectral properties of Earth materials, cameras and sensors, aerial photography, satellite imagery, data processing, image classification, image interpretation and scientific applications.

**Credits: 4**

**Prerequisite:** *ES 341 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 354 Geology of Earthquakes

Introduction to earthquake phenomena with an emphasis on the impact to people, infrastructure and natural resources in Oregon and the western United States. Course will focus on using seismology to interpret interior of Earth, mechanisms that cause earthquakes, relation to plate tectonics and associated hazards.

Four hours of lecture and active learning per week; supplemental field trips will be incorporated as needed.

**Credits: 4**

**Prerequisite:** *ES 104, ES 201, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 360 Earth Resources and the Environment

Focus on the science behind the occurrence, origin, and distribution of energy and mineral resources in the Earth system. Course also considers economic and social issues, as well environmental implications on the use and exploitation of Earth resources. Four hours of lecture and active learning per week.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## ES 390 Basic Meteorology

An introductory study of atmospheric processes and meteorologic phenomena. Topics include structure of the atmosphere, heat transfer, air pressure, precipitation, circulation, data collection and weather

forecasting.

Three hours of lecture and active learning per week.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 401 Research

Terms and hours to be arranged. Eligible for the RP grade option.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 406 Special Individual Studies

Terms and hours to be arranged. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 408 Workshop

Terms and hours to be arranged. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 420 Medical Geology

Focus on the emerging specialty discipline of medical geology, the study of the effect of geological phenomena on animal and human health. The public health effects of Earth materials and geological processes are well established. Course topics include: introduction to medical geology as a profession, health effects of Earth materials, medical impacts of water quality, biogeochemical interactions and nutrient anomalies, anthropogenic degradation of geological environments, application of geochemistry to environmental health issues, geospatial analysis as a tool in epidemiology, health hazards associated with volcanic eruptions, global dust flux and respiratory problems, impacts of radon-arsenic-selenium-mercury-iodine on physiological function, carcinogenic

# Course Descriptions

associations with coal and fibrous minerals, geological effects on animal health, and geophagy (human ingestion of soil materials as a dietary supplement).

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## ES 450 Petrology

Focus on the textures, compositions and genetic associations of diverse suites of rock types. Study of the structure, chemistry, physical properties and occurrences of rock-forming minerals augment the rock study. Emphasis is on the integration of hand sample study, petrographic microscopy and digital image analysis to solve geologic problems. Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *ES 104 or ES 201, and ES 301, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 453 Geology of the Pacific Northwest

An introduction to geology, geological history, tectonic evolution, geological resources and landscape development of Western North America, with an emphasis on the geology of Oregon. Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *A general geology course or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 454 Volcanology

Study of the processes and products of volcanism. Focus is on rock types, structures, field relations, tectonic settings, conditions of origin and geologic history of volcanism with specific emphasis on the Pacific Northwest.

Four hours of lecture and active learning per week; supplemental field trips will be incorporated as needed.

**Credits: 4**

**Prerequisite:** *ES 104, ES 201, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 458 Field Studies in Geology

Field excursions to study geology at classic localities in the Pacific Northwest and beyond. Terms and hours to be arranged. Eligible for the RP grade option.

**Credits: 1-9**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 470 River Environments of Oregon

This field course focuses on the geomorphology of select fluvial environments in western and central Oregon (Santiam River, Willamette River, Newberry Volcano, Deschutes River, and Columbia River). The emphasis is on observation and analysis of river processes, deposits and landforms associated with active tectonics, mass wasting, glaciation, volcanism, and flooding. Additional topics include regional geology, hydrology, river classification, surficial mapping, paleohydrology, and river restoration.

Eligible for the RP grade option.

**Credits: 4**

**Prerequisite:** *ES 202 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 473 Environmental Geology

Study of contemporary environmental issues as related to geologic systems. Topics include geologic hazards, land use, groundwater-surface water-soil contamination, remediation technologies, environmental planning, habitat restoration, applied analytical techniques and consulting practice. Four hours of lecture and active learning per week. Supplemental field trips will be incorporated as needed.

**Credits: 4**

**Prerequisite:** *ES 201 and ES 202 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 476 Hydrology

Investigation of near-surface hydrologic systems of the Earth. Topics include the hydrologic cycle, water budgets, introductory fluid dynamics, groundwater systems, watershed analysis, water quality and water resource evaluation. Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *ES 201 and ES 202 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 486 Petroleum Geology

Introduction to the principles of petroleum geology and methods used for discovery of oil in the subsurface environment. Topics include historical overview, properties of oil and natural gas, geologic environments, generation and migration, reservoir properties, traps and seals, methods of exploration, drilling techniques and extraction and case studies of classic petroleum-producing regions of the world. Laboratory activities include geologic maps, well log analysis, geophysical logs, seismic stratigraphy and quantitative approaches to geologic problem solving.

Four hours of lecture and active learning per week; supplemental field trips are incorporated as needed.

**Credits: 4**

**Prerequisite:** *ES 201 and ES 202 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 491 Sedimentary Systems I

Course introduces principles of sedimentary geology essential for students intending to enter careers involving Earth resource exploration, hazard mitigation, environmental science, and others. Course explores the description and interpretation of sedimentary lithology, textures and structures, primarily at the thin section, hand sample and outcrop scale; the principles of transport/depositional processes; techniques of sedimentary analysis.

Four hours of lecture and active learning. Required field trips when



# Course Descriptions

possible.

**Credits: 4**

**Prerequisite:** *ES 201 or equivalent general geology course, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 492 Advanced GIS

### Applications in Earth Science

Focus on the application of geographic information systems and remote sensing to real-world problems in the Earth Sciences. Emphasis is placed on the use of geospatial technology in analyzing complex spatial relationships and solving real-world environmental problems.

Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *ES 342 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 493 Sedimentary Systems II

Course offers an overview of clastic depositional environments and sequences, including continental, marine marginal and deep marine settings. Concepts and applications of facies and stratigraphic modeling will be explored, with an emphasis on natural resource exploration and recovery.

Four hours of lecture and active learning. Required field trips when possible.

**Credits: 4**

**Prerequisite:** *ES 491 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 495 GIS Certificate Capstone

Individualized capstone project related to geographic information science. Projects formed by arrangement with instructor and may include internships, independent research and/or professional portfolios.

Two hours of active learning.

**Credits: 2**

**Prerequisite:** *ES 340, ES 341, ES 342, and ES 343; or consent of*

*instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ES 497 Senior Seminar

Study and research on a broad-ranging topic in the Earth Sciences. Assessment will be based primarily on a formal presentation and on student participation in weekly meetings in which the class will discuss the Earth Science topic/issue.

Two hours of lecture and active learning per week.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ES 508 Workshop

Terms and hours to be arranged.

May be repeated for up to 16 credits.

Eligible for the RP grade option.

**Credits: 1-15**

## ES 531 Paleobiology

The evolution of terrestrial and marine ecosystems interpreted from the fossil record; the application of paleontological data to resolving problems in earth history. Four hours of lecture and active learning. Offered alternate years. Required field trips.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

## ES 550 Petrology

Focus on the textures, compositions and genetic associations of diverse suites of rock types. Study of the structure, chemistry, physical properties and occurrences of rock-forming minerals augment the rock study. Emphasis is on the integration of hand sample study, petrographic microscopy and digital image analysis to solve geologic problems.

Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *ES 104 or ES 201, and ES 301, or consent of instructor*

## ES 553 Geology of the Pacific Northwest

An introduction to geology, geological history, tectonic evolution, geological resources and landscape development of Western North America, with an emphasis on the geology of Oregon. Four hours of lecture and active learning per week.

**Credits: 4**

**Prerequisite:** *A general geology course or consent of instructor*

## ES 554 Volcanology

Study of the processes and products of volcanism. Focus is on rock types, structures, field relations, tectonic settings, conditions of origin and geologic history of volcanism with specific emphasis on the Pacific Northwest.

Four hours of lecture and active learning per week; supplemental field trips will be incorporated as needed.

**Credits: 4**

**Prerequisite:** *ES 104, ES 201, or consent of instructor*

## ES 558 Field Studies in Geology

Field excursions to study geology at classic localities in the Pacific Northwest and beyond. Terms and hours to be arranged.

Eligible for the RP grade option.

**Credits: 1-9**

## ES 570 River Environments of Oregon

This field course focuses on the geomorphology of select fluvial environments in western and central Oregon (Santiam River, Willamette River, Newberry Volcano, Deschutes River, and Columbia River). The emphasis is on observation and analysis of river processes, deposits and landforms associated with active tectonics, mass wasting, glaciation, volcanism, and flooding. Additional topics include regional geology, hydrology, river classification, surficial mapping, paleohydrology, and river restoration.

Eligible for the RP grade option.

**Credits: 4**

# Course Descriptions

## ES 573 Environmental Geology

Study of contemporary environmental issues as related to geologic systems. Topics include geologic hazards, land use, groundwater-surface water-soil contamination, remediation technologies, environmental planning, habitat restoration, applied analytical techniques and consulting practice. Four hours of lecture and active learning per week. Supplemental field trips will be incorporated as needed.

**Credits: 4**

## ES 576 Hydrology

Investigation of near-surface hydrologic systems of the Earth. Topics include the hydrologic cycle, water budgets, introductory fluid dynamics, groundwater systems, watershed analysis, water quality and water resource evaluation. Four hours of lecture and active learning per week.

**Credits: 4**

## ES 591 Stratigraphy and Depositional Systems

Course designed for both Earth Science majors and general interest audiences. Course offers an overview of clastic depositional environments and sequences, including continental, marine marginal and deep marine settings. Concepts and applications of facies and stratigraphic modeling will be explored, with an emphasis on natural resource exploration and recovery. Four hours of lecture and active learning. Offered alternate years. Required field trips. Four hours of lecture and active learning. Offered alternate years. Required field trips.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

## ES 592 Advanced GIS Applications in Earth Science

Focus on the application of geographic information systems and remote sensing to real-world problems in the Earth Sciences. Emphasis is placed on the use of geospatial technology in analyzing complex spatial relationships and solving real-world environmental

problems.

Four hours of lecture and active learning per week.

**Credits: 4**

## ES 606 Special Individual Studies

Terms and hours to be arranged.

**Credits: 1-15**

## EC 199 Special Studies

Terms and hours to be arranged. A means by which students may earn lower-division credit for such learning activities as intern programs and writing research reports on small business firms and international conglomerates.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 200 Introduction to Economic Perspectives

An issues-oriented introduction to economics that covers markets, unemployment, inflation, market power, the environment, crime, discrimination, health care, education, poverty, social security, international trade and economic development. Includes intensive writing.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## EC 201 Introduction to Microeconomics

Introduction to consumer and producer behavior and the market process. Theories of production, cost and perfectly and imperfectly competitive market structures will be covered as well as the role of the public sector, input markets and contemporary economic issues such as health care and the environment.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## EC 202 Introduction to Macroeconomics

Introduction to the macroeconomic behavior of the economy. Includes national income accounting, business cycles, growth, recession, inflation, unemployment and monetary-fiscal policies. Current issues in international trade and international finance are covered.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## EC 311 Intermediate Microeconomics I

Provides the student with a rigorous grounding in the methods and techniques of microeconomics, with a focus on market equilibrium and consumer theory. The model of indifference analysis will be developed and applied to household decisions including labor supply. Other topics include behavioral economics and decision-making under risk and uncertainty.

**Credits: 4**

**Prerequisite:** *EC 201, MTH 110 or MTH 111Z, and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 312 Intermediate Microeconomics II

Provides the student with rigorous grounding in the methods and techniques of microeconomics, with a focus on producer theory. Develops the standard neoclassical theories of exchange and production under the assumption of perfect competition and full information. Situations in which information and markets are imperfect, including price discrimination, monopolistic competition, oligopoly, monopoly and cartels, are also covered.

**Credits: 4**

**Prerequisite:** *EC 201, MTH 110 or MTH 111Z, and sophomore standing*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## EC 313 Intermediate Macroeconomics

Focuses upon the behavior of the economy as a whole. Emphasizes the forces and interactions that naturally determine the levels of, and changes in the levels of, employment, aggregate output, interest rates and prices in a market economy; policy instruments for manipulating those levels and policy problems.

**Credits: 4**

**Prerequisite:** EC 202, MTH 110 or MTH 111Z, and sophomore standing

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 315 Econometric Analysis and Report Writing

Basic methods of economic analysis; data sources, collection and presentation with a project to develop these skills. Using economic theory to examine current issues.

**Credits: 4**

**Prerequisite:** EC 201 and BA 243 or MTH 243Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 317 Development Economics

Focuses upon the prospects and problems facing more than 100 poverty-stricken countries in Latin America, Africa and Asia that are striving to attain standards of living approaching those of countries in Europe and North America.

**Credits: 4**

**Prerequisite:** EC 201 or EC 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 318 Money and Banking

In-depth coverage of money, its forms, how it is created by banks and the Treasury, how its supply is regulated by the Federal Reserve System and its vital role in the functioning of the macroeconomy.

**Credits: 4**

**Prerequisite:** EC 201 and EC 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 319 Public Finance

Economic analysis of revenue collection and expenditure by federal, state and local governments. Deals with the effect of income taxes, corporate taxes, excise taxes, property taxes, fees and other sources of public revenue on personal income, employment and production; incidence and shifting of taxes.

**Credits: 4**

**Prerequisite:** EC 201 and EC 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 321 Public Choice Theory

Overview of the development in public choice theory. Application of economic tools to traditional problems of political science. Positive analysis of collective decision-making and evaluation of outcomes.

**Credits: 4**

**Prerequisite:** EC 201 and EC 202 recommended

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 333 Economics of Professional Sports

Applies economic analysis to professional sports. Topics include: public financing of arenas and stadiums; the impact of professional sports on local, regional and national economies; labor issues such as free agency, salary caps, discrimination and "superstars"; competitive balance, revenue-sharing and market structure.

**Credits: 4**

**Prerequisite:** EC 201, EC 202, EC 315, and BA 243 or MTH 243Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 334 Economics of Collegiate Sports

Applies economic analysis to collegiate sports. Topics include: history and function of the National Collegiate Athletic Association, compensation for collegiate athletes and coaches, academic standards for athletes, corporate sponsorships and the financing of collegiate sports, collegiate sports and the media,

gender equity for coaches and athletes and the effects of Title IX legislation.

**Credits: 4**

**Prerequisite:** EC 201, EC 202, EC 315, and BA 243 or MTH 243Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 336 Environmental Economics and Public Policy

An economic study of environmental problems with special reference to social welfare and economic efficiency criteria in evaluating the alternative uses of natural resources.

**Credits: 4**

**Prerequisite:** EC 201

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 340 International Trade

Analyzes the causes and consequences of international trade. Topics covered include: the theory of comparative advantage, models of international trade under perfect and imperfect competition, strategic trade policy, the impact of trade on welfare, protectionism, trade and the environment, the role of trade in developing countries, the effects of free trade agreements.

**Credits: 4**

**Prerequisite:** EC 201

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 344 Labor Economics

Applies microeconomic theory to understand the behavior of labor market dynamics in the U.S. and other industrialized countries. Topics include: the demand and supply of labor, human capital, compensation and risk differentials, minimum wage/living wage legislation, unemployment, collective bargaining and unions.

**Credits: 4**

**Prerequisite:** EC 201 and EC 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 365 Economics of Organized Crime

# Course Descriptions

Survey recent scholarly articles and publications concerning the economics of organized crime. Structured around four focus areas: economic methodology used to explain and predict the activities of organized crime; behavior and economic impact of organized crime in Sicily and the U.S.; behavior and economic impact of organized crime in the former Soviet Union; review of recent research on organized crime around the world.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 395 Managerial Economics

Applies microeconomic concepts to managerial decision-making. Topics include the analysis of demand, revenue and cost functions, forecasting models and techniques, market structures, pricing, technology and government regulation.

**Credits: 4**

**Prerequisite:** *EC 201; MTH 241 or MTH 251 or BA 240; and MTH 243Z or BA 243*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 396 Game Theory

Introduction to strategic way of thinking and primer on game theory with applications likely to be encountered by business. Topics include: the prisoner's dilemma; dominant and mixed strategies; sequential and simultaneous moves; Nash equilibria; bargaining and collective action; uncertainty and information; threats, promises and negotiated games; and evolution of cooperation.

**Credits: 4**

**Prerequisite:** *MTH 110 or MTH 111Z*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 399 Special Studies

Terms and hours to be arranged. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 406 Special Individual Studies

Terms and hours to be arranged. A specialized course of study within the economics discipline developed in consultation with the instructor. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-9**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 407 Seminar

Terms and hours to be arranged. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 409 Practicum

Practical application of economic theory and/or collection of data for theoretical interpretation.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 3-12**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 413 Economics and Mathematics Capstone I

To be completed by majors in the Economics and Mathematics Program. Terms to be arranged during the final year of study.

Eligible for the RP grade option.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 414 Economics and Mathematics Capstone II

To be completed by majors in the Economics and Mathematics Program. Terms to be arranged during the final year of study.

Eligible for the RP grade option.

**Credits: 2**

**Prerequisite:** *EC 413 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 441 International Monetary Economics

Examines the macroeconomic linkages between countries. Topics include: institutions of flexible and fixed exchange rates, the balance of payments, the choice of an exchange rate regime, international money markets, currency crises, international policy coordination and international debt and direct investment.

**Credits: 4**

**Prerequisite:** *EC 313 or EC 318*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 460 Industrial Organization

Examines the relationship between market structure, the conduct of individual firms and industry performance in the presence and absence of government regulation.

**Credits: 4**

**Prerequisite:** *EC 312*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 470 History of Economic Thought

Traces the development of economic thought from ancient times to the present. Contributions of individual writers and schools of thought are examined in their historical settings and as they influenced economic thought and policy.

**Credits: 4**

**Prerequisite:** *EC 201, EC 202, EC 311, EC 312 and EC 313*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 480 Mathematical Economics

A review of relevant mathematical tools currently utilized in the economics profession and the application of these tools to economic issues utilizing problem-solving procedures.

**Credits: 4**

**Prerequisite:** *EC 311 or EC 312, and*

# Course Descriptions

## EC 313

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EC 495 Econometrics

Use of statistical methods to estimate and test economic models. Theory and application of multiple regression techniques, with an emphasis on the problems arising in the analysis of economic data.

**Credits:** 4

**Prerequisite:** BA 367 or EC 315 and BA 243 or MTH 243Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ED 100 Introduction to Education

Introduction to the historical, cultural and philosophical foundations of our system of American public education. Students will reflect upon and critique their own educational experiences and articulate their own beliefs and values about teaching, learning and schooling. Students will also examine current and historical roles, expectations, stereotypes and characterizations that define teaching as a profession.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 200 Foundations of Education

Focuses on historical foundations of education; education policy and practice; the system alternatives to public education; legal rights and responsibilities of teachers and students; professional development of teachers; student pluralism; and current issues and effective schools. Course helps participants evaluate their commitment to becoming a professional educator and reflective practitioner who will be able to make informed decisions to enhance the environment for children and youth.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ED 220 Introduction to Early Childhood Education

Introductory course in the principles and basic theories of early childhood education. An overview will be presented of the physical, perceptual-motor, social-emotional and cognitive development of the young child. Opportunities will be given to observe and participate in developing experiences for young children.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ED 224 Creative Arts in Early Childhood Settings (birth-4th grade)

Utilizes the Creative Arts (art, music and dramatic play) and play as central approaches to teaching and learning with young children from birth-4th grade in inclusive early childhood settings. Focuses on an integrated approach to an arts-based curriculum by examining authentic arts experiences and the role of play in children's growth and development.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## ED 230 Children's Literature in Diverse Classrooms

This course is a foundational survey of children's literature and focuses on extensive and intensive reading of children's literature. Students will explore various genres, authors, illustrators, styles and movements within children's literature as well as resources available for choosing and utilizing quality literature with young people. Course content will consider the historical development of literature for children, literary theory, and current issues and trends in children's literature.

**Credits:** 3

**Prerequisite:** ED 200 or ED 220 or consent of instructor

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## ED 231 Typical & Atypical Development

Overview of typical and atypical development in young children from 3 years - 4th grade. Traditional and current theories of development are discussed with an ecological framework and an emphasis on brain research, risk factors, culture and the implications of atypical development as it relates to developmental appropriate practices in inclusive early childhood environments.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ED 232 Health & Safety Practices for the Early Childhood Environment (birth-4th grade)

Prepares the early childhood educator to meet the physical needs of young children of all abilities through preparation of a safe environment, planned routines and positive experiences in the area of health, safety and nutrition. Focuses on the physical needs of children, child abuse and neglect.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 233 Applied Adolescent Learning and Development

Teacher candidates learn to apply theories of human development and learning to a variety of classroom settings. Major theories of learning are examined as they apply in elementary/middle through high school grades and instructional decision-making. Teacher candidates seeking licensure at the elementary/middle level can take this class or ED 242.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## ED 235 Literature for the Young Child

This course is a foundational survey of children's literature and focuses on extensive reading of children's literature. Intensive focus will be on selecting literature for infants, toddlers, and preschool-aged children as well as methods for creating early literacy experiences. Course content will consider important early literacy skills including visual literacy, interactive literacy experiences, and thematic connections.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## ED 240 Young Adult Literature in Diverse Classrooms

This course is a foundational survey of young adult literature and focuses on extensive and intensive reading of literature for and about adolescents and young adults. Students will explore various genres, authors, illustrators, styles and movements within young adult literature as well as issues related to diverse experiences and honoring multiple perspectives. Course content will consider the historical development of literature for children and adolescents, literary theory, and current issues and trends in young adult literature.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## ED 242 Applied Children's Learning and Development

Teacher candidates learn to apply theories of human development and learning to a variety of classroom settings. Major theories of learning are examined as they apply in preschool through elementary grades and instructional decision-making.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 245 Designing Early Childhood Environments (birth-4th grade)

Focus is on investigating learning environments for young children from birth-4th grade in inclusive early childhood settings (Head Start, public and private pre-K, child care, K-4 classrooms, etc.) and how to plan for children of all abilities. Students will spend time in the field observing and documenting classroom environments in inclusive early childhood settings.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 248 Developmentally Appropriate Practices: EC Play, Development and Literature

Exploration of play and literacy as integral components of early learning. Emphasis is placed on the roles of the teacher in observing play and literacy, developing and refining teaching strategies that support and extend children's play and literacy and advocating for play in the early childhood curriculum. Focuses on young children ages birth-4th grade in inclusive early childhood settings. Students will be spending time in the field in inclusive environments.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 250 Inclusive Practices in Early Childhood Settings (birth-4th grade)

Explores inclusive practices in early childhood settings for diverse children from birth-4th grade of all abilities. Includes an exploration of the following: foundations of early childhood/early childhood special education theory and practices; characteristics of young children with disabilities and other special needs; impact on the family, accessing research and resources; approaches to screening; types of programs; adaptations and accommodations of the inclusive settings; advocacy, integration and future trends.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## ED 259 Special Education and Inclusive Communities

Introductory class provides a survey of models, theories and philosophies that form the basis for special education practices. An overview is provided of legal, social and educational issues in the provision of education and related services for individuals with disabilities from early intervention through transition to adulthood.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 260 Sociopolitical Foundations of the Diverse Classroom

This course explores how cultural, social, and political forces impact issues of access, equity, justice and diversity in educational settings, particularly those that affect K-12 students and their families. Additionally, the course examines educators' roles in promoting culturally sustaining practices and pedagogy.

**Credits: 3**

**Prerequisite:** ED 200

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 270 Technology in Education

Explores current applications and concepts of technology to enhance learning, communicating and collaborating for personal and professional growth. Particular emphasis on the use of technology in educational contexts.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 280 Infant and Toddler Development

Designed to teach students to apply theory and research to infants and

# Course Descriptions

toddlers (prenatal-3 years) utilizing an ecological systems and culturally responsive practices approach. Participants will learn and gain experience with best practices in service delivery models for infants and toddlers of all abilities. Participants will gain experience interacting with infants and toddlers within a family system.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 283 Introduction to Observation and Assessment in Early Childhood

This course is designed to introduce and immerse students in learning authentic observation and assessment techniques in early childhood settings (birth-8years). In addition, students will learn how to interpret and use what data they have gathered to help inform their practice as teachers, in making decisions regarding curriculum, program planning, and individual student planning. A critical dimension of this course is to expand student knowledge and build skills in understanding the diversity of young children and families, and the importance of using that diversity to enhance observations and assessments.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 285 Introduction to Families

This course introduces students to the study of the structure and function of families, and the impact on individual family members. Theories of the study of the family will be surveyed, and applications to the teacher/family relationship will be explored. Contemporary challenges for families and implications for teachers will be researched and discussed.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 301 Introduction to Chicano/a Studies

An introductory course designed to assist students from diverse cultural

and experiential backgrounds in addressing and understanding their heritage within the American society. Focus on Chicano/a history in the United States beginning with Spanish colonization and continuing with present day issues of assimilation and acculturation.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 302 Multicultural Education and the American Experience

Designed to assist students from diverse socioeconomic, cultural and experiential backgrounds in addressing the personal, social, academic, financial and campus climate issues within a multicultural context.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 312 Students, Teachers, Schools and Society

Prepares educators to serve students from diverse socio-economic, cultural and experiential backgrounds in addressing personal, social, academic, financial and campus climate issues within a multicultural context.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 322 Early Childhood Motor Development and Movement Education

Integrates theory and practice of the foundations of human movement for children from birth through grade 4 in inclusive environments. Content includes the importance of physical activity for young children; recommended physical activity guidelines for varying stages of childhood; connections among children's psycho-motor, cognitive and affective development; dynamic systems and children's motor development and learning; developmentally appropriate movement for children; methods of motor task variation and adaptation for children with varied abilities and

disabilities; and contemporary methods for teaching children movement education.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 325 Elementary Science Methods

Supports the development of pedagogical content knowledge in science by emphasizing content knowledge application of content, planning for instruction and instructional strategies to improve preK-9 learning. Includes strategies related to specific scientific content in state and national science standards, STEM, scientific practices as well as children's learning of science.

**Credits: 3**

**Prerequisite:** GS 325 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 340 Standing on the Shoulders of Giants: History & Theories of Early Childhood Education

This undergraduate course will explore the history of early childhood education (birth-8years) and pioneers of the field from the 18th century to present day, and how theories and knowledge of early childhood have evolved over time and influenced current practices in classrooms and schools. Early childhood pioneers focused on in this course will include John Locke, Friedrich Froebel, Maria Montessori, Jean Piaget, and others.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 343 Purposes of Play in Learning

This course will explore the multiple utilities of play for learning across all developmental domains for diverse children from birth-8years. Students will gain a deep understanding of the significance of play through hands-on play workshops for adults. Hands-on experience, guided reflection, and the

# Course Descriptions

integration of current trends and research regarding play will enable students to analyze and design intentional play experiences in early learning settings.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## ED 349 Language Knowledge for the Critical Elementary Practitioner

This course prepares elementary educators to understand the literacy practices of diverse learners by connecting the language of the classroom to the language of the students' culture, place, and community. This course explores the foundational principles of literacy and language and their application to the elementary literacy classroom.

**Credits: 3**

**Prerequisite:** *LING 209 or LING 214 or LING 310*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 350 Emergent Literacy

This courses focuses on developmentally appropriate approaches to supporting early language development and emergent literacy for children in birth-5yrs. early childhood settings. The course objectives integrate an understanding of young children's development from birth to five years old with developmentally appropriate and research based strategies for considering teacher-child interactions, early care and learning experiences, and instructional strategies for emergent readers and writers.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 352 Elementary Social Studies Methods

Supports pedagogical content knowledge in social studies by emphasizing content knowledge, application of content, planning for instruction and instructional strategies to improve preK-9 learning. Includes

strategies related to concept attainment, technology and literacy integration and clinical methods.

**Credits: 3**

**Prerequisite:** *HST 201 or HST 202 or HST 203*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 353 Elementary Mathematics Methods

Designed to emphasize mathematics content knowledge, application of content, planning for instruction and instructional strategies to improve preK-9 learning, including students of diverse backgrounds and needs. Includes strategies related to

mathematics content in state and national standards, STEM and mathematical practices, as well as children's learning of mathematics.

**Credits: 3**

**Prerequisite:** *ED 373, MTH 211, MTH 212, MTH 213 and MTH 396 (may be taken concurrently); ED 353 should be taken during one of the last two terms before entering the ED program*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 354 ECE Numeracy & Mathematics

Methods and materials in teaching and assessment in early childhood numeracy and mathematics. Methods for facilitating early math learning using developmentally appropriate practices for learners of all abilities (birth-8 years) will be discussed. Interactions with young children in inclusive settings will provide experiential learning and teaching opportunities. ED 354 should be taken during one of the last two terms before entering the Early Childhood Professional ED Core.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 357 Approaches to Early Childhood Education: Montessori, Reggio Emilia, & Waldorf/Critical Issues in Early Childhood

This undergraduate course examines the curriculum and practices from three major early childhood approaches: Montessori, Reggio Emilia, and Waldorf. Learning materials, teaching strategies, and philosophies will be compared. Visits to early childhood schools to see the approach in practice and presentations by teachers will supplement this course.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 368 Science & Social Studies in Early Childhood Settings (birth-4th grade)

Focuses on the study and practice of science and social studies education and exploration for young children in inclusive early childhood settings (birth- 4th grade) focusing on appropriate content, goals and methods. Students will have opportunity to design, plan and implement lesson plans.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 369 Critical Issues in Early Childhood

This course is designed to expose students to the historical and trending critical issues in the field of early childhood, with a focus on issues related to birth-5years. Students will explore contemporary reconceptualizations of early childhood education as well as the socio-political influences which frame early childhood practice today. Students will be exposed to and invited to reflect upon diverse experiences in early childhood classrooms (relating to culture, gender, sexuality, voice, choice). Students will reflect and discuss critical issues in a focused effort to improve their personal and professional identities as early childhood practitioners.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.



# Course Descriptions

## ED 373 Introduction to Curriculum and Assessment

Supports the development of instructional strategies and the means to create assessments, analyze data and evaluate instruction in various classroom settings using the framework of teacher work sampling. The basics of unpacking standards, developing goals and objectives in lesson planning, instructional methods, assessment planning and differentiation are introduced.

**Credits: 3**

**Prerequisite:** 6 Credits of ED coursework; junior standing or above

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 374 Teaching Writing in the Elementary Classroom

Introduction to teaching writing in the early childhood and elementary school classroom. Particular emphasis will be placed upon developmental writing with young children, authentic and naturalistic approaches to language and writing, the connection between reading and writing and research-based approaches to feedback and assessment on student writing. Course involves authentic experiences at a local elementary school. Students enrolled in this course will need to grant Oregon Department of Education permission to conduct a background check.

**Credits: 3**

**Prerequisite:** ED 230 or ED 240 or ED 248

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 376 STEM Investigations for Elementary Teachers

Students will learn strategies to bring scientific inquiry to the elementary classroom by using local and community resources to engage in place-based, problem-based learning. Students will engage in life, earth and physical sciences and design equitable and authentic science learning experiences for diverse student populations that build from students' experiences and sense making

practices, engage them in the Next Generation Science Standards (NGSS) and use technology to enhance the learning environment.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 383 Introduction and Overview to Infant Mental Health

This is an introductory course on the relationship between theory and practice in infant mental health. This course will provide a conceptual framework based on recent brain research, attachment theory, and the importance of early relationships. The effects of early stress, trauma and additional psychological and environmental risk factors will be discussed. The course will also examine the long term societal consequences of negative early childhood experiences.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 385 Infant and Toddler Observation and Assessment

This course focuses on knowledge and application of various techniques for observing and recording behavior of very young children (birth to 3-years old) at home and in early education and care settings, from diverse cultures and with varied learning needs. Exploration of both formal and informal ways of presenting information to families is also included. The students will explore both quantitative and qualitative approaches to evaluation and assessment. Students will gain an understanding of appropriate strategies for conducting, reporting, and decision making related to specific functions of assessment for infants and toddlers. Students will become competent in the use of authentic assessment strategies to describe a child's learning strengths and needs.

**Credits: 3**

**Prerequisite:** *Sophomore standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 403 EC Studies Seminar I

This is the first seminar course in a two-term sequence. Focus will begin by exploring the concept of professionalism as it relates to educational leaders, and learning. Early Childhood Studies candidates will be introduced to the NAEYC/DEC candidate expectations and program dispositions, the expectations for each term, and the scoring guides for formative and summative evaluations.

**Credits: 1**

**Prerequisite:** *Acceptance in the Early Childhood Studies program*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 404 Clinical Experience Seminar I

First seminar in the three-term Professional Education Core supporting clinical experience. Focus is to begin to explore the concept of professionalism as it relates to teaching and learning. Teacher candidates will be introduced to the Clinical Experience Workbook and review the expectations for the term.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 405 Clinical Experience Seminar II

Second seminar in the three-term Professional Education Core supporting clinical experience. Focus is to expand on the concept of professionalism, reflective practice, leadership and collaboration as it relates to teaching and learning. Teacher candidates will refer to the Clinical Experience Workbook and review expectations for the term.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 406 Special Individual Studies

May be repeated for up to 12 credit.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## ED 407 Seminar

Terms and hours to be arranged.  
May be repeated for up to 12 credits.  
**Credits: 1-15**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 408 Workshop

Terms and hours to be arranged.  
May be repeated for up to 12 credits.  
**Credits: 1-15**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 409 Practicum

Students must obtain a signature from director of field services one term before registering for the following: bilingual education/ESL, early childhood education, educational media, elementary, middle level, high school.  
May be repeated for up to 12 credits. Eligible for the RP grade option.  
**Credits: 1-12**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 411 Clinical Experience I

Teacher candidates' first experience in a public school setting providing instruction to small groups of students and entire class.  
**Credits: 3**  
**Prerequisite:** *Fully admitted to the Professional Education Core*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 412 Clinical Experience II

Teacher candidates' second experience in a public school setting providing instruction to small groups of students and entire class. First assessment of teaching and learning will be completed.  
**Credits: 3**  
**Prerequisite:** *Successful completion of ED 411 and maintaining a 3.0 GPA in education coursework*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 413 EC Studies-International Clinical Practice-I

This 4-credit course is the first of a three-term sequence (ED 413, 414, 415) of clinical practice courses. Focus will be on both exploring the concept of professionalism as it relates to early childhood educators, and an introduction to clinical practice work. Students will spend time in the field observing and documenting classroom environments in inclusive early childhood settings. Students will gain practice observing young children in EC environments, assessing early childhood environments, and reflecting on their own bias and preconceived ideas/beliefs about young children and environments that support their learning.  
**Credits: 4**  
**Prerequisite:** Acceptance into the EC Studies program, and be part of the international cohort from Tianhua.  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 414 EC Studies-International Clinical Practice-II

This the second in a series of 3-clinical practice courses (ED 413, 414, 415) for Early Childhood Studies-international students. The intention of this course is to provide the students with beginning practical teaching and assisting experience in a professional early childhood setting. Students will work in an inclusive early childhood setting with children ages 3-to-5 years. All students will be placed with experienced and qualified teachers, 2-3 students per classroom. All classroom demonstrate the Head Start philosophy and the importance of developmentally appropriate practices and student preparation for kindergarten. Students will receive instruction through observation and guidance from an on-site clinical teacher and a Western Oregon University faculty supervisor.  
**Credits: 4**  
**Prerequisite:** *ED 413 and admission to the EC Studies professional program*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 415 EC Studies-International Clinical Practice-III

This is the third in a series of clinical practice courses for Early Childhood Studies-international candidates. The intention of this course is to provide the student with practical teaching and assisting experience in a professional preschool setting. Students will complete a practicum in an inclusive setting with students aged 3 years to 5 years. All students will be placed with experienced and qualified teachers, 2-3 students per classroom. All classrooms demonstrate the Head Start philosophy and the importance of developmentally appropriate practices and student preparation for kindergarten. Students will receive instruction through observation and guidance from an on-site clinical teacher and a Western Oregon University supervisor. In addition, students will take part in reflective practice with their WOU supervisor.  
**Credits: 5**  
**Prerequisite:** *ED 414 and acceptance into the EC Studies program*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 417 Cooperative Learning

Materials from Johnson and Johnson, Dishon and Wilson-O'Leary, Samples, Huggins, Schmuck and Schmuck and Stanford and others are presented, modeled and integrated into a personal frame of reference. Cooperative learning strategies are modeled in all elementary curriculum areas.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 418 Assessment, Planning and Instruction

Course enables teacher candidates to apply assessment and instructional strategies in the planning, designing and implementation of instruction within various classroom settings and in different subject areas utilizing the TWS Framework.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## ED 419 Poverty, Young Children, and their Families

This course explores students to the complex impact of poverty on schools, children, and their families. A poverty simulation will be conducted in class to understand the stressors and challenges facing families living in poverty. Strategies that teachers and schools can take to support children and families living in poverty will be discussed.

**Credits: 3**

**Prerequisite:** *Junior standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 420 Global Perspectives in Early Childhood Education

This course introduces students to topics in early education from a global perspective. A comparison of current educational policy and methods in various global settings is designed to increase intercultural competence for future teachers. Contexts and perspectives in educational practice around the world will be studied.

**Credits: 3**

**Prerequisite:** *Junior level or above*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ED 421 Technology Integration

Explores operations and concepts of basic technology to enhance personal and professional growth and productivity and integration of technology into classroom planning, instruction and assessment.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 422 Early Childhood Studies Clinical Experience I

Emergent early educators' (early childhood studies seniors) first experience in a clinical setting observing, interacting, and engaging in clinical tasks in early education and

care settings.

**Credits: 3**

**Prerequisite:** *Fully admitted to the Early Childhood Studies Program*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 423 Early Childhood Studies Clinical Experience II

Emergent early educators' (early childhood studies seniors) second experience in a clinical setting interacting, engaging, and taking on responsibilities in clinical tasks in early education and care settings.

**Credits: 3-6**

**Prerequisite:** *Fully admitted to the Early Childhood Studies Program*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 424 Early Childhood Studies Clinical Experience III

Emergent early educators' (early childhood studies seniors) third and culminating experience in a clinical setting interacting, engaging, and taking on the majority of responsibility in clinical tasks in early education and care settings.

**Credits: 3-6**

**Prerequisite:** *Fully admitted to the Early Childhood Studies Program*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 425 Early Childhood Policy and Advocacy

This course will give an overview of the policy and laws that influence early childhood education today. Students will gain insight into trends regarding topics such public pre-K, teacher qualifications/licensure, QRIS, and accreditation. Students will gain proficiency collaborating with local/state/federal agencies, understanding which agencies impact early childhood, and advocating for early childhood priorities.

**Credits: 3**

**Prerequisite:** *Junior or senior standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 427 Professional Development: Early Childhood Studies Capstone-Work Sample

A culminating course devoted to analyzing and synthesizing knowledge and skills gained through the Early Childhood Studies (ECS) and the ECS major with Early Intervention/Early Childhood Special Education (EI/ECSE) concentration as it applies to inclusive early childhood education. Students will examine teaching and learning through core studies and preparation of their final projects. Students in the EI/ECSE concentration will complete a work sample, and students in the ECS only major will complete a capstone project.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 429 Professional Development Seminar III

Final seminar in the three-term Professional Education Core supporting clinical experience. Focus is to support professional development and the transition from teacher candidate to licensed classroom teacher.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 434 Content Pedagogy I

Part of a two-course sequence with ED 436/ED 536, this course is designed to emphasize content knowledge, application of content, planning for instruction and instructional strategies to improve 3-12 grade learning, including students of diverse backgrounds and needs.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 436 Content Pedagogy II

Part of a two-course sequence with ED 434/ED 534, this course is designed to emphasize content knowledge, application of content, planning for instruction and instructional strategies to improve 3-12 grade learning,

# Course Descriptions

including students of diverse backgrounds and needs.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 438 Foundations of Education

Enables the preservice teacher to explore the basic historical, philosophical and societal foundations of education. Current legal, financial and governing aspects as well as future economic and political influences on education are explored.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 441 Video Production

Explores the fundamentals of the camera system, illumination, electronic video recording, audio recording and set design. Each student will produce two short video projects outside the studio and will participate in at least one group studio color production.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 443 Supporting Language, Literacy and Culture

Major theories of language and literacy will be examined as they apply to diverse emergent and developing readers in preschool through elementary grades. Teacher candidates learn how to administer a variety of reading assessments to guide instructional decision-making and design standards-based rationales and lesson plans that differentiate to meet all students' unique needs.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 444 Content Literacy

Course will focus on content area literacy (reading, writing, speaking and listening) for students from early childhood through high school. In-depth examination and application of a standards-based approach to

instruction and assessment will be a major focus. Digital literacies will also be explored as a means to present, illuminate and assess content.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 446 Environments for Diverse Learners

Enables teacher candidates to increase awareness of student diversity in P-12 settings. Course explores multiple theories and models to inform and apply pedagogical frames in order to differentiate instruction and enhance learning opportunities.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 447 The Developing Child and the Environment

Studies the developing child's behaviors, attitudes and abilities; integrates the contexts in which a child develops.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 448 Early Childhood Curriculum (birth- 4th grade)

Course emphasizes planning, organizing, implementing and evaluating programs for young children with diverse learning needs ages birth-4th grade within the framework of developmentally appropriate practices for young children in inclusive settings. Students will explore, plan and implement curriculum and environments using individually responsive, developmentally and culturally appropriate methods and materials.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 449 Observation and Assessment of the Young Child

Measurement theory, observation, screening and assessment practices,

familiarization with selected instruments, legal and ethical guidelines for assessing young children ages birth through 4th grade in inclusive settings. Assignments will be tied to student teaching experiences.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 450 Methods for Classroom Management

Focuses on best practices that address age level educational issues. Topics covered enable early childhood, elementary, middle and high school teacher candidates to better serve the academic, social and emotional needs of their students.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 457 The Parent-Educator Partnership

Explores the role of the parent in the educational process, the special needs that may affect the family and models of parenting and parent involvement. Simulation techniques will be used to develop interaction skills.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 460 Communication and Language Development of Diverse Young Children

This course examines the intricacies of language communication acquisition and development of diverse young children birth through eight years of age. Researched evidence-based assessment and instructional practices that identify language delays and promote language and communication development of diverse young children will be emphasized. In addition, resources and technologies, including assistive technology and augmentative communication to enhance and help develop language and communication will be studied. This course will also explore cultural and linguistic diversity, language delays and disorders, and the importance of adult-child

# Course Descriptions

relationships in the role of language and communication acquisition and development.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 461 Differentiating Instruction for Diverse Learners

Focus on identification of students' skills, readiness levels, interests and learning styles and the exploration of teaching techniques and resources that respond to their unique needs. Preservice teachers explore aspects of teaching that promote an inclusive classroom.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 462 Encouraging Discouraged Children

Ideas from Dreikurs, Adler, Ellis, Glasser and other theorists are examined with a goal of applying these ideas in the classroom and/or home. Focus on the concept of discouragement and how discouragement influences the teacher, student and parent constitute the primary focus of this class.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 464 Families & Community Involvement in Early Childhood Education

Strategies for developing family and culturally appropriate family-professional partnerships to benefit young children birth-4th grade of all abilities. Theories and research that support family-centered practices are explored. Focus on family and professional rights and responsibilities in the special education process.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 466 Technology in Inclusive Early Childhood Environments

This course is designed to explore trends, issues and tools related to the use of technology with young children from birth-8 years of all abilities in inclusive settings. Students will gain experience identifying, evaluating and using a variety of technologies that are appropriate for use with young children and their families. The evaluation and use of assistive technology to support learners of all abilities is an integral component of this course. This course contains 10 hours of field service work in the area of early childhood (birth-8years).

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## ED 470 Home Visiting in Early Childhood

This course explores the use and practice of home visiting in early childhood and early intervention programs as a means of providing services and supports to diverse young children and their families. A variety of home visiting approaches will be explored, with focus on a primary service provider model through an ecological systems lens. As home visiting is an opportunity for providers to work with both young children and their families, an additional focus will include building and maintaining relationships with families, strategies for communication with families, and collaboration across disciplines will be included. Using strategies to promote development and work with children of varying abilities and from diverse backgrounds will also be a key focus of this course.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 471 Collaborative Consultation in Inclusive Early Childhood

This course provides pre-service and in-service early childhood, early intervention/early childhood special

educators, and those in related fields with the background, knowledge, communication skills, and practice necessary for collaborative consultation with other professionals and families.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 472 Trauma Informed Practices in Early Childhood

This course will immerse students in theory, research and practice around best-practices in trauma informed practices for our youngest children (birth-8years). Using an ecological systems context, participants of this course will explore the causes and consequences of traumatic experiences within the context of developmental, psychological and neurobiological processes. Students will examine the meaning of trauma within a cultural context, and examine their own personal reactions and potential bias when it comes to their work with young children and families experiencing trauma.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 477 Literacy at the Middle Level

Promotes reading/literacy in middle school and upper grades of elementary school. Emphasis will be on the reading/literacy process, content area literacy goals and strategies, importance of recreational reading, assessment of reading growth and new trends and materials for a balanced literacy approach.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 479 Fostering Biliteracy in ESOL/Bilingual Classrooms: Latin America

Explores the relationship between first and second language literacy and between oral and written language skills. It also examines ESOL and bilingual literacy teaching strategies for different language proficiency levels,

# Course Descriptions

as well as materials, classroom organizational structures and assessment tools. Approaches for literacy development that bridge experiential and cultural differences are emphasized, including multicultural literature and family involvement in the learning process.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 481 Introduction to ESOL and Bilingual Education

Introduction to the field of ESOL and bilingual education. Provides an overview of the principles of second language acquisition and explores classroom practices that allow English language learners at different proficiency levels to access grade-level content while developing skills in academic and social language.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## ED 482 Foundations of ESOL/Bilingual Education

Surveys the historical development of ESOL/bilingual education. Provides insight into government policy and legal aspects of ESOL/bilingual education as well as research, theory and classroom implications.

**Credits: 3**

**Prerequisite:** ED 481

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 483 Culture, Community and the ESOL/Bilingual Classroom

Explores the concept of culture and its manifestation in society, the community and the classroom. Examines the research literature and provides a theoretical foundation for understanding how cultural groups and students' identities affect the educational process and the classroom climate.

**Credits: 3**

**Prerequisite:** ED 481

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## ED 484 First and Second Language Acquisition and Educational Linguistics

Course explores current theory and research in first and second language acquisition and issues in linguistics applied to ESOL/bilingual education.

**Credits: 3**

**Prerequisite:** ED 481

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 485 Early Childhood Education: Leadership and Administration

Knowledge and competencies in the area of educational leadership, including development and administration of inclusive early childhood programs for children birth-4th grade, professionalism, ethics and social policy.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 486 First and Second Language Approaches to Teaching Subject Matter in Secondary Schools

Focuses on planning for instruction bilingually or by language groups. Assessment of student need as well as strategies and approaches for managing bilingual/multicultural instruction will be explored.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 487 Alternative Secondary Curricula & Materials for Second Language Learners

Emphasis on the study of alternative curriculum patterns and materials that are conducive to the second language learner's achieving expected learner outcomes needed for course completion and high school graduation.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 488 Culture and Community in ESOL/Bilingual Classrooms: Latin America

Explores the concept of culture and its manifestation in society, the community and the classroom. Strategies to maximize learning using cultural and community resources, as well as building partnerships with families. Students participate in relevant experiences in an international context that provides an intensive cultural component. Practicing teachers and those preparing to become teachers develop cultural, linguistic and historical understanding through an immersion experience.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 491 Curriculum Models, Instructional Approaches and Assessment Strategies for Emergent Bilinguals

Examines current curriculum models, materials, teaching approaches and assessment techniques that maximize the academic achievement of English language learners.

**Credits: 3**

**Prerequisite:** ED 481. In addition, students must pass two of the following three courses: ED 482, ED 483, ED 484

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 492 Classroom Strategies for English Language Development in ESOL and Bilingual Settings

Theory, methods and strategies for teaching English Language Development (ELD) in ESOL and bilingual settings. Emphasizes techniques for teaching the four language skills, language functions, meaningful grammatical forms and vocabulary through content based lessons.

# Course Descriptions

**Credits:** 3

**Prerequisite:** ED 481. In addition, students must complete two of the following three courses before enrolling in ED 492: ED 482, ED 483, ED 484

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 493 Bilingual/Multicultural Teaching Methods in Content Area Instruction

Focuses on teaching of content area in dual language mode. Instructional language grouping and dual language content activities will be presented.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 494 Diagnosis and Prescription in Native Language Instruction-Elementary

Assessment, instructional programming and materials in providing native language reading instruction to the non- and limited-English proficient students will be addressed.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 495 Diagnosis and Prescription in Basic Skills for LEP Students

Assessment, instructional techniques and materials in basic skills in a bilingual classroom setting.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 496 Cross Disciplinary and Advanced Teaching Strategies

Promotes interaction among students, discussions regarding integrated methodology and exploration of professional opportunities for middle and high school teachers. Focus will be on group processes in the development of integrated multidiscipline approaches, including

service-learning.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 498 Clinical Experience III

Teacher candidates' final and full-time experience in a public school setting providing instruction to an entire class. Second assessment of teaching and learning will be completed.

**Credits:** 10

**Prerequisite:** Successful completion of ED 412 and maintaining a 3.0 GPA in Education coursework

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 507 Seminar

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits:** 1-15

## ED 519 Poverty, Young Children, and their Families

This course explores students to the complex impact of poverty on schools, children, and their families. A poverty simulation will be conducted in class to understand the stressors and challenges facing families living in poverty. Strategies that teachers and schools can take to support children and families living in poverty will be discussed. Students will be required to complete additional assignments, readings, and take on leadership roles within the course.

**Credits:** 3

## ED 520 Global Perspectives in Early Childhood Education

This course introduces students to topics in early education from a global perspective. A comparison of current educational policy and methods in various global settings is designed to increase intercultural competence for future teachers. Contexts and perspectives in educational practice around the world will be studied. Students will be required to complete additional assignments, readings, and take on leadership roles within the

course.

**Credits:** 3

## ED 525 Early Childhood Policy and Advocacy

This course will give an overview of the policy and laws that influence early childhood education today. Students will gain insight into trends regarding topics such public pre-K, teacher qualifications/licensure, QRIS, and accreditation. Students will gain proficiency collaborating with local/state/federal agencies, understanding which agencies impact early childhood, and advocating for early childhood priorities. Students will be required to complete additional assignments, readings, and take on leadership roles within the course.

**Credits:** 3

## ED 534 Content Pedagogy I

Part of a two-course sequence with ED 436/ED 536, this course is designed to emphasize content knowledge, application of content, planning for instruction and instructional strategies to improve 3-12 grade learning, including students of diverse backgrounds and needs.

**Credits:** 3

## ED 536 Content Pedagogy II

Part of a two-course sequence with ED 434/ED 534, this course is designed to emphasize content knowledge, application of content, planning for instruction and instructional strategies to improve 3-12 grade learning, including students of diverse backgrounds and needs.

**Credits:** 3

## ED 544 Content Area Literacy

This course will focus on content area literacy, with special emphasis on adolescent literacy at the secondary level. Content Area Literacy is a research-based course on the use of language for thinking, problem solving and communicating across subject areas. This course includes best-practice teaching strategies that will enable all students to become

# Course Descriptions

independent thinkers. Refinement of specific reading, writing, listening, and speaking strategies will be applied to lesson planning and implementation in field experience teaching. This course will pay special emphasis to the literacy standards across content areas as outlined by the Common Core State Standards, as well as placing an emphasis on the development of Academic Language Teaching Competencies.

**Credits: 3**

**Prerequisite:** *Acceptance into the MAT program*

## ED 546 Environments for Diverse Learners

This course is designed to enable teacher candidates to increase awareness of student diversity in P-12 settings. This course explores multiple theories and models to inform and apply pedagogical frames in order to differentiate instruction and enhance learning opportunities.

**Credits: 3**

**Prerequisite:** Admission into the Teaching, M.A.T. program.

## ED 547 The Developing Child and the Environment

Studies the developing child's behaviors, attitudes and abilities; integrates the contexts in which a child develops.

**Credits: 3**

## ED 548 Early Childhood Curriculum (birth-4th grade)

Course emphasizes planning, organizing, implementing and evaluating programs for young children with diverse learning needs ages birth-4th grade within the framework of developmentally appropriate practices for young children in inclusive settings. Students will explore, plan and implement curriculum and environments using individually responsive, developmentally and culturally appropriate methods and materials.

**Credits: 3**

## ED 549 Observation and Assessment of the Young Child

Measurement theory, observation, screening and assessment practices, familiarization with selected instruments, legal and ethical guidelines for assessing young children ages birth through 4th grade in inclusive settings. Assignments will be tied to student teaching experiences.

**Credits: 3**

## ED 550 Methods for Classroom Management

Focuses on best practices that address age level educational issues. Topics covered enable early childhood, elementary, middle and high school teacher candidates to better serve the academic, social and emotional needs of their students.

**Credits: 3**

**Prerequisite:** Admission to the Teaching, M.A.T. program

## ED 560 Communication and Language Development of Diverse Young Children

This course examines the intricacies of language communication acquisition and development of diverse young children birth through eight years of age. Researched evidence-based assessment and instructional practices that identify language delays and promote language and communication development of diverse young children will be emphasized. In addition, resources and technologies, including assistive technology and augmentative communication to enhance and help develop language and communication will be studied. This course will also explore cultural and linguistic diversity, language delays and disorders, and the importance of adult-child relationships in the role of language and communication acquisition and development.

**Credits: 3**

## ED 564 Family and Community Involvement in Early Childhood Education

This course focuses on strategies for developing family and culturally appropriate family-professional partnerships to benefit young children ages birth-4th grade (8yrs) of all abilities. Theories and research that support family-centered practices are explored. The courses also provides a focus on family and professional rights and responsibilities in the special education process. This course takes a family-centered perspective and emphasizes the role of collaborative planning with families and caregivers in inclusive environments. Students are expected to become familiar with the cultural context of the families with whom they are working and to consider ways in which their own socio-cultural context influences their work with families. To increase understanding of family perspectives, the impact of exceptionality on the family is studied within the framework of family systems theory, functions, and the life cycle of the family. This course requires students to examine their values and beliefs about working with families, to challenge their assumptions, and to critically analyze their professional roles in working with families.

**Credits: 3**

## ED 566 Technology in Inclusive Early Childhood

This course is designed to explore trends, issues, and tools related to the use of technology with young children ages birth-8 years of all abilities in inclusive settings. Students will gain experience identifying, evaluating and using a variety of technologies that are appropriate for use with young children and their families. The evaluation and use of assistive technology to support learners of all abilities is an integral component of this course. This course contains 10 hours of field service work in the area of early childhood (birth-8years).

**Credits: 3**

## ED 570 Home Visiting in Early Childhood

This course explores the use and practice of home visiting in early childhood and early intervention programs as a means of providing services and supports to diverse



# Course Descriptions

young children and their families. A variety of home visiting approaches will be explored, with focus on a primary service provider model through an ecological systems lens. As home visiting is an opportunity for providers to work with both young children and their families, an additional focus will include building and maintaining relationships with families, strategies for communication with families, and collaboration across disciplines will be included. Using strategies to promote development and work with children of varying abilities and from diverse background will also be a key focus of this course.  
**Credits: 3**

## **ED 571 Collaborative Consultation in Inclusive Early Childhood**

This course provides pre-service and in-service early childhood, early intervention/early childhood special educators, and those in related fields with the background, knowledge, communication skills, and practice necessary for collaborative consultation with other professionals and families.  
**Credits: 3**

## **ED 572 Trauma Informed Practices in Early Childhood**

This course will immerse students in theory, research and practice around best-practices in trauma informed practices for our youngest children (birth-8years). Using an ecological systems context, participants of this course will explore the causes and consequences of traumatic experiences within the context of developmental, psychological and neurobiological processes. Students will examine the meaning of trauma within a cultural context, and examine their own personal reactions and potential bias when it comes to their work with young children and families experiencing trauma.  
**Credits: 3**

## **ED 579 Fostering Biliteracy in ESOL/Bilingual Classrooms: Latin America**

Explores the relationship between first and second language literacy and between oral and written language skills. It also examines ESOL and bilingual literacy teaching strategies for different language proficiency levels, as well as materials, classroom organizational structures and assessment tools. Approaches for literacy development that bridge experiential and cultural differences are emphasized, including multicultural literature and family involvement in the learning process.  
**Credits: 4**

## **ED 585 Early Childhood Education: Leadership and Administration**

Knowledge and competencies in the area of educational leadership, including development and administration of inclusive early childhood programs for children birth-4th grade, professionalism, ethics and social policy.  
**Credits: 3**

## **ED 588 Culture and Community in ESOL/Bilingual Classrooms: Latin America**

Explores the concept of culture and its manifestation in society, the community and the classroom. Strategies to maximize learning using cultural and community resources, as well as building partnerships with families. Students participate in relevant experiences in an international context that provides an intensive cultural component. Practicing teachers and those preparing to become teachers develop cultural, linguistic and historical understanding through an immersion experience.  
**Credits: 3-4**

## **ED 590 Responsive and Reflective Social Emotional Practices**

This course is the second in the sequence of three SEL certificate courses and will build upon the foundational elements outlined in Foundations of Social Emotional

Learning. This course will focus on understanding and implementing trauma-informed practices as they align with CASEL's framework, as well as provides opportunities to explore ways to reflect upon and respond to student needs using a variety of interventions.  
**Credits: 3**  
**Prerequisite:** Admission as a grad student at WOU.

## **ED 603 Thesis, Professional Project or Field Study**

Terms and hours to be arranged. Eligible for the RP grade option.  
**Credits: 3-9**

## **ED 604 Professional Project Planning**

This is the first part of the professional project. Students will work with their course instructor to select, develop and plan a professional project. The student identifies a problem or area of interest, reviews and develops a focused literature review based on applicable literature, research or theory, and creates a detailed project plan proposal. The project plan proposal is submitted to the student's graduate advisory project committee for approval and then submitted to the Graduate Office for final approval. Eligible for the RP grade option.  
**Credits: 3**

## **ED 605 Professional Project Implementation**

The student completes the project proposed in ED 604 following a timeline of expected completion dates. The project is supervised by the course instructor. Students present their project and reflect on their learning of the process, product and project implementation. Eligible for the RP grade option.  
**Credits: 3**  
**Prerequisite:** ED 604

## **ED 606 Special Individualized Study**

Terms and hours to be arranged.  
**Credits: 1-15**

# Course Descriptions

## ED 607 Seminar

Terms and hours to be arranged.  
Eligible for the RP grade option.  
**Credits: 1-8**

## ED 608 Workshop

Terms and hours to be arranged.  
**Credits: 1-15**

## ED 609 Practicum

This course is a practicum experience in PK-12 schools (for licensed teachers) or other educational settings. Specific course requirements vary by graduate program; please contact your adviser for specific requirements and/or program prerequisites before enrolling.  
May be repeated once for credit.  
Eligible for the RP grade option.  
**Credits: 1-15**

## ED 610 Unmasking the Adult Learner: Adult Education from Training to Empowered Possibility

This course examines the unique needs of the adult learner by critically examining relevant learning theories as well as instructional design practices. Students will examine prevailing institutional constructs and investigate the validity of those constructs by considering the latest neurological and cognitive studies that apply to adult learning. Students will examine dynamics that lead to adult learning success, develop an understanding of adult learning theory, and begin to prepare instructional practices that lead to empowered possibility for both the adult learner and the adult educator.  
**Credits: 3**

## ED 611 Theories of Teaching and Learning

Examines how theories of teaching and learning and research aligns and impacts educational practices. Major theories of learning and teaching and their applications in education will be explored. Students will investigate a

topic of interest regarding teaching and learning based on reviews of current research studies.  
**Credits: 3**

## ED 612 Quantitative Research in Education

Methods, techniques and tools of research. Development of a proposal for a study and development of the criteria and methods for reading and evaluating research.  
**Credits: 3**

## ED 613 Inclusive Practices in Diverse Early Childhood Environments

This course focuses on an in-depth exploration of the history of and approaches to inclusion in diverse early childhood settings. Students will learn the philosophical background to inclusion, examine, challenge and unpack assumptions (personal, professional and social) around inclusive practices and disability in general. In addition, students will explore contemporary issues related to inclusion as it relates to early childhood programs, as well as diverse young children and their families.  
**Credits: 3**

## ED 614 Practicum

This course is the first in a series of three practicum experiences in PK-12 schools. During the pre-service practicum, teacher candidates will be on site approximately four hours every day. The practicum begins and ends with the start and finish dates of the university term. During this term, teacher candidates will have the opportunity to tutor small groups and/or individual students. There will also be one specified week during the term when the teacher candidate will spend five consecutive days in the classroom where they will plan, teach and assess a unit of instruction implementing edTPA expectations. The teacher candidate will also become familiar with the workings of a public school by meeting with school personnel, attending faculty meetings and extracurricular activities, and participating in the mentor teacher's

assigned duties.  
May be repeated once for credit.  
**Credits: 3**

## ED 615 Critical Inquiry Into the Foundational Narratives of Schooling

This course examines the foundational narratives that give meaning to the modern school experience. Historical, philosophical and societal narratives of schooling are analyzed in an attempt to better understand not only the workings of the American school system but also our lived experience as learners and teachers within the public school.  
**Credits: 3**  
**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 616 M.A.T. Clinical Experience II

Students will continue their field work from the previous term. During this extended student teaching practicum, a work sample will be produced.  
**Credits: 3**  
**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 617 Professional Inquiry in Education

Through researching an area or problem of interest students utilize data literacy as a tool for education improvement and action planning.  
**Credits: 3**  
**Prerequisite:** *ED 633*

## ED 618 Teaching for Equity, Justice, and Agency

Enables teacher candidates to increase awareness of student diversity in P-12 settings. Explores multiple theories and models to inform and apply pedagogical frames in order to differentiate instruction and enhance learning opportunities.  
**Credits: 3**  
**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

# Course Descriptions

## ED 619 Technology in an Equitable and Inclusive Early Childhood Environment

This course is designed for participants who are interested in working in inclusive early childhood settings (birth-8years). Students in this class will explore trends, issues and tools related to the use of technology with diverse young children ages birth-8years of all abilities in inclusive settings. Students will gain experience identifying, evaluating and using a variety of technologies that are appropriate in a variety of areas. The evaluation and use of assistive technology and augmentative communication devices to support diverse learners of all abilities is an integral component of this course. In addition, students will research and learn about how access to and opportunity to use technology is a social justice issue for diverse young children, their families and the staff who work with them. Although not a primary objective of this course, technology as a tool to support educators in their role will also be addressed.

**Credits: 3**

## ED 620 Technology Integration

Explores operations and concepts of basic technology to enhance personal and professional growth and productivity and integration of technology into classroom planning, instruction and assessment.

**Credits: 2**

**Prerequisite:** *Acceptance to Master of Arts in Teaching program*

## ED 621 Teacher as Researcher: Action Research

An introduction to the basic philosophy and methods of action research in schools. Students will learn how to conduct action research to help them make effective decisions about their teaching.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 622 Curriculum Cycle: Assessment for Planning

Course will help students to develop assessment, instructional and management strategies in the planning, implementation and evaluation of instruction in various classroom settings using the framework of teacher work sampling. The basics of lesson planning, instructional methods, assessment planning, differentiation and classroom management will be covered.

**Credits: 3**

## ED 623 Developmentally Appropriate Classroom Management

Course will help students to develop assessment, instructional and management strategies in the planning, implementation and evaluation of instruction in various classroom settings using the framework of teacher work sampling. The basics of lesson planning, instructional methods, assessment planning, differentiation and classroom management will be covered.

**Credits: 3**

## ED 624 Rethinking Special Education

In-depth study of the diverse students in today's K-12 classrooms with a focus on preparing teacher candidates to become reflective practitioners serving diverse communities of learners, including, but not limited to students with identified disabilities, students with individualized educational plans, and students identified as TAG (Talented and Gifted).

**Credits: 3**

## ED 625 Classroom Discipline and Management

Design, implementation and evaluation of all phases of effective classroom management. Special attention will be devoted to student motivations in a variety of settings and inclusive of all students.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 627 Assessment of Teaching & Learning

Development, administration and interpretation of curriculum aligned tests in the work sample methodology. Also, acquired knowledge in test construction, standardized testing and the use of data in formative/summative assessment design.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 628 Teaching Writing Across the Disciplines

Explores best practices for teaching writing (including narrative, information and argumentative texts) under the Common Core State Standards for elementary, middle and high school teachers. Implementation, analysis, and critical review of the Common Core State Standards and Smarter Balanced Assessment are included.

**Credits: 3**

## ED 629 The Classroom Teacher-Counselor

Focuses on the classroom teacher's obligations and opportunities for guiding and counseling students in academic and personal areas. It acquaints the teacher with the varied needs and characteristics of children and adolescents, basic concepts and techniques of group and individual counseling and guidance and means of incorporating these factors in a practical, functional classroom program.

**Credits: 3**

## ED 630 Culturally and Linguistically Diverse Students in the Schools

Focus is on the influence of linguistic and cultural diversity on the learning process and classroom dynamics.

**Credits: 3**

# Course Descriptions

## ED 631 Classroom Strategies for Biliteracy Development

Explores the relationship between first and second language literacy and between oral and written language skills. Examines ESOL and biliteracy teaching strategies for differentiated proficiency levels, as well as materials, classroom organizational structures and assessment tools. Projects encourage participants to become reflective practitioners as they analyze and critique their own beliefs and teaching practices and plan their professional growth.

**Credits: 3**

## ED 632 Cultural, Social and Philosophical Issues in Education

Examines issues of learning and culture from a variety of philosophical perspectives, linking practice to theory and ideology. Students will frame their teaching and learning experiences by examining the role of culture in schooling and learning, specifically diversity and critical perspectives in education.

**Credits: 3**

## ED 633 Educational Research

Introduces the methods and techniques of quantitative, qualitative, action, and mixed methods commonly used in educational research in a variety of education, workplace and community settings. Builds awareness of the range of methods that may be applied to different types of research studies and guidelines that should be used to select appropriate research methods. Includes research resources, ethics, and academic writing.

**Credits: 3**

## ED 634 Qualitative Research in Education

Presents the substance of qualitative research as well as the methods. By examining the traditions and theories of qualitative research, students will explore the principal methods, research techniques and critical issues, applying their knowledge to

their own research plans.

**Credits: 3**

**Prerequisite:** ED 612

## ED 635 Action Research

Introduction to the principles and processes of action research, a form of self-reflective inquiry by practitioners used to improve and enrich educational settings. Through the lens of research in their field, participants will target an area of education interest or concern and design a study to explore possible solutions and interventions.

**Credits: 3**

**Prerequisite:** ED 633

## ED 636 Leadership and Policy in a Diverse Society

Students will analyze current educational policy and potential leadership within multiple contexts. Emphasizing local, national and global trends, this course will help students explore issues of diversity and the socio-political constructs of schooling.

**Credits: 3**

## ED 637 Inquiry Into Pedagogy

Supports the development of pedagogy, application of content knowledge, planning for instruction and instructional strategies to improve student learning. Includes strategies related to specific discipline content, practice and state/national standards. May be repeated for credit.

**Credits: 3**

## ED 639 Curriculum and Planning: Work Sample Methodology

Study of current curriculum and governing practice; instruction in planning, design and delivery of courses; and work sample methodology.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 641 Theories of Bilingualism

Focuses on theories of language acquisition and their application to the classroom. Explores topics such as language ideology, learners' linguistic capitals, translanguaging, contrastive analysis, language transfer and metalinguistic strategies. Participants engage in linguistic analysis and consider classroom practices that maximize dual language learning, development and use.

**Credits: 3**

## ED 642 Curriculum, Assessment, Instruction, and Reflection

This course examines curriculum, assessment, instruction, and reflection practices within standards-based education and school collaborative teams. Students will learn to apply research-based strategies in assessment and instruction within various classroom settings and in different subject areas. Students learn to use reflection as a tool for removing barriers to student achievement for all learners and how assessment data is used to drive decision making that can lead to improved student performance.

**Credits: 3**

**Prerequisite:** *Acceptance to the Elementary MAT Program*

## ED 643 The Whole Child: Metaphors of Learning and Development

Major theories of learning and children development will be examined as they apply to instructional processes in the early childhood and elementary classroom. The interrelationship among these theories and how they affect instructional processes, such as teaching, learning and lesson planning, will be a primary focus for this course.

**Credits: 3**

## ED 644 Bilingualism in Socio-cultural Contexts

Examines the concept of culture and its manifestation in schools and communities, with an emphasis on

# Course Descriptions

dual language/bilingual classrooms in the U.S. Informed by up-to-date theory and research, participants examine socio-cultural and historical forces that impact the educational process.

Strategies that capitalize on learning and using cultural and community resources in dual language/bilingual classrooms are emphasized.

Partnerships with families, schools and communities are an important focus.

**Credits: 3**

## **ED 645 Instruction and Assessment in Dual Language/Bilingual Settings**

Focuses on curriculum development, assessment practices and design of materials for dual language and bilingual classrooms. Informed by current research and theory, participants plan, develop and implement instructional strategies and assessment tools that foster academic and linguistic development. Projects encourage participants to become reflective practitioners, as they critique and analyze their teaching practice in dual language/bilingual settings and plan their professional growth.

**Credits: 3**

## **ED 646 Philosophy of Education**

A study of philosophical assumptions and their implications on the fundamental issues and practices of American education.

**Credits: 3**

## **ED 647 Critical Inquiry and Reflective Practice for Dual Language/Bilingual Educators**

Examination of educational policies, instructional practices and curricula in dual language/bilingual settings. Participants work to transform their own educational practice as they engage in self-reflection, conduct research, develop advocacy and leadership skills and plan for professional growth.

**Credits: 3**

## **ED 648 Advanced Curriculum Design**

Historical and philosophical foundations of curriculum as well as current research, theory and policy in curriculum. Emphasis will include: curriculum frameworks, attention to content area-specific curriculum and learning.

**Credits: 3**

## **ED 649 Assessment, Data Literacy, and Learning**

Focus is on creating and selecting high quality assessments, integrating assessment practices and results into actions and planning, and building and enhancing data literacy skills related to assessment.

**Credits: 3**

## **ED 650 Observation and Assessment of the Young Child**

Measurement theory, observation, screening, and assessment practices, familiarization with selected instruments, legal and ethical guidelines for observing and assessing young children preschool (pre-K) through 4th grade in inclusive settings.

**Credits: 3**

## **ED 651 Content Area Literacy**

A research-based course on the use of language for thinking, problem-solving and communicating across subject areas. Includes best-practice teaching strategies that will enable all students to become independent learners.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## **ED 652 Integrating Health and Physical Education**

Experiential course provides future elementary classroom teachers with an overview of theory and practice as well as practical methods for integrating health and physical education, movement, and physical activity in the classroom as a means of facilitating conceptual development as

well as developing a healthy school and community environment.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## **ED 653 Social Studies as Humanities: The Middle School Classroom**

This course is uniquely geared towards teaching social studies in the middle school (grades 6-8). The course explores methods for teaching social studies as humanities through a variety of literacies that promote inquiry, collaboration, encourage critical thinking, and develop understanding.

**Credits: 3**

**Prerequisite:** *Must be a graduate student; preference to MSSED students*

## **ED 654 Classroom Climate and Environments for Learning**

Course content will provide both theoretical understanding and practical application of strategies aimed at creating safe, encouraging, and effective learning environments.

**Credits: 3**

## **ED 655 Foundations of Literacy**

Examines major theories that form the foundation of literacy K-adult. Course explores psychological, sociological and linguistic foundations of the reading/writing process, literacy research and the histories of literacy, language development and acquisition and variations related to cultural and linguistic diversity. Also explores the major components of reading such as phonemic awareness, word identification and phonics, vocabulary and background knowledge, fluency, comprehension strategies and motivation.

**Credits: 3**

## **ED 657 Professional Seminar I**

Students will work within the learning community or their MAT cohort, engaging at an emerging level in the Action Research process that will lead eventually to a professional project

# Course Descriptions

and capstone experience.

**Credits: 3**

## ED 658 Professional Seminar II

Students will design and carry out an Action Research project that will culminate in a professional project and capstone experience.

**Credits: 3**

## ED 659 Professional Seminar III

Students will design and present the action research project from term III, this presentation making up the capstone experience. Students will prepare to enter the teaching profession by interacting with professionals already in the educational field and by studying special topics such as TSPC requirements.

**Credits: 3**

## ED 660 Contemporary Foundations of Education

A study of how historical, sociological, philosophical events and research have influenced the contemporary role of the teacher in the classroom.

**Credits: 3**

## ED 661 Teaching Global & Diversity Perspectives in Social Studies

This course will examine the major issues, practices, and controversies surrounding global and multicultural perspectives in social studies education. Students enrolled in the course will become conversant in these topics and develop appropriate and effective strategies for helping K-12 students develop a global and multicultural perspective.

**Credits: 3**

**Prerequisite:** *Must be graduate student; preference to MSED students*

## ED 662 Inquiry into Pedagogy - eMAT STEM

Students will analyze subject-matter specific assessments and instructional practices, including content area

literacy, diversity, and technology as they relate to improving learning in the area of STEM (science, technology, engineering, and mathematics).

**Credits: 3**

**Prerequisite:** *Accepted into the eMAT pathway and a grade of B- or better in all earlier eMAT courses*

## ED 663 Inquiry to Pedagogy (eMAT Math)

In the planning and implementation of strategies and concepts related to math, students will learn and make use of the process, the conceptual approach, problem solving and guided discovery. Planning, use of teaching strategies and concept attainment in mathematics will be emphasized.

**Credits: 3**

**Prerequisite:** *Acceptance into the eMAT pathway in term 5 of 8 and a grade of B- or better in all earlier eMAT courses*

## ED 664 Transformative Social and Emotional Learning

The final course in a series of three courses is designed to be action-oriented. This course will require educators and school personnel to participate in critical self-reflection in order to create safe school climates that support the well-being of all staff and students, promote school-wide cultures of acceptance and increase understanding of evidence-based instructional strategies that align with Social Emotional Learning and equity. Regardless of the programs and practices currently being implemented participants will become better equipped to implement a wide range of SEL instructional and implementation methods and create actionable and applicable plans. Transformative SEL will aid practitioners in social justice-oriented teaching practices and help educators utilize culture, identity, agency and belonging to create access to the five core SEL competencies.

**Credits: 3**

## ED 665 Reading and Writing Through Children's Literature

This course is a foundational survey of

children's literature and its impact on children's literacy development in the elementary grades. Students will explore various genres, authors, illustrators, styles and movements within children's literature as well as resources available for choosing and using quality literature with young people. Practical methodological approaches to encouraging children's reading and writing development will be embedded within a genre study approach. Particular emphasis will be placed on mentor text and craft analysis approaches to teaching writing and the writing process.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 666 Middle Level Literacy

Study of methods and research appropriate for teaching literacy in middle schools. Emphasis is placed on diagnostic and assessment of literacy development.

**Credits: 3**

## ED 667 Supporting Language and Literacy Development

Will learn theories of language acquisition, functions of language and the role of culture and power in developing language; recognize the importance of oral language to the development of successful reading and writing; and demonstrate qualities of teacher as language researcher.

**Credits: 3**

## ED 668 Assessment & Reading Instruction

Explores current research and best practices in literacy assessment. Content includes diagnostic, formative and summative assessments to determine students' literacy strengths and needs, as well as how to plan and carry out effective instruction to advance the language and literacy development of all learners.

**Credits: 3**

**Prerequisite:** *Six credits of reading education coursework or consent of instructor*

# Course Descriptions

## ED 669 Content Pedagogy

Provides students with a discipline-specific methods course taught by subject area specialists. Research based and best practice within an academic discipline will be the focus.

**Credits: 2**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 670 Middle Level Curriculum and Instruction

The philosophical and historical foundations of middle level schools are considered. Students will examine middle level curriculum and instruction.

**Credits: 3**

## ED 671 Middle Level Learning

Graduate seminar focused on teaching and learning in the middle grades (6-8). Content includes common behavioral, psychological and social perspectives on learning; social and emotional development.

**Credits: 3**

## ED 672 Literacy Leadership Practicum

Examines the role of the reading specialist and coach as recommended and outlined by research and recommendations from professional organizations. Special focus will include role definitions, program options, training and supervision of support staff, budgeting and materials needed to meet state requirements in reading instruction.

**Credits: 3**

## ED 673 Mathematics Leadership in K-8 Schools

Examines role of the elementary mathematics instructional leader as recommended and outlined by research and recommendations from professional organizations. Special focus will include role definitions, program options, training and supervision of support staff, budgeting and materials needed to meet state requirements in mathematics

instruction.

**Credits: 3**

**Prerequisite:** *Should be one of the last courses taken in the Elementary Mathematics Instructional Leader program; must be taken concurrently with or before, ED 609: Elementary Mathematics Leadership Practicum*

## ED 674 Integrating the Creative Arts

Focuses on integrating a variety of areas of the creative arts into the elementary classroom, including visual arts, music, drama, and dance. The importance of fostering creativity and designing an environment for playful exploration of the arts as well as integrating the arts into literacy and other content area connections will be explored.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 675 Technology Applications in STEM

Provides opportunities to learn STEM appropriate technology, enhance educator's expertise in integrating technology while teaching STEM and examining the role technology plays in student of learning of STEM content. Offered online or hybrid.

**Credits: 3**

## ED 676 Environmental STEM Education

This course examines environmental literacy, the history, goals, and impact on student learning of Environmental Education (EE), and the connections to Science, Technology, Engineering and Mathematics (STEM) education. Environmental STEM education in schools, programs, resources and curricula (national and local) in formal and non-formal settings are critically examined. Environmental science issues are used to develop environmental STEM education curriculum plans and materials. Field trip to a local environmental STEM education site is required.

**Credits: 3**

## ED 677 Effective Instructional Practices

Focus is on evidence-based practices and research supported strategies. Includes instructional strategies that are culturally responsive, cross disciplinary and differentiated.

**Credits: 3**

## ED 678 STEM Education For All

Provides students with a broad perspective on topics related to equity, diversity and inclusion in STEM. Students explore culturally responsive strategies in associated with STEM education and research on current status of equity in STEM.

**Credits: 3**

## ED 679 Ethical, Legal, and Political Issues of Classroom Assessment

This course explores political, ethical, and legal issues related to assessments in education today by unpacking the many ways administrators, teachers, and students are held accountable for educational outcomes. This course is intended for anyone interested in education and educational policy as well as students interested in becoming classroom teachers. This course can be replaced (with approval) by one of our existing MSEd courses that focus on assessment - *ED 642* (standardized assessment), *ED 691* (curriculum, instruction, and assessment strategies for emerging bilinguals), *ED 668* (assessment and reading instruction), and others identified as appropriate.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ED 680 Psychology of Reading Instruction

An advanced course in the teaching of reading. Fundamental nature of the reading process and the causes of difficulty in learning to read. An examination of current issues in teaching children to read.

**Credits: 3**

# Course Descriptions

## ED 681 Principles and Practices of ESOL and Bilingual Education

This course explores the foundational principles of inclusive education for emergent bilingual students. Topics include principles of second language learning, instructional practices that support emergent bilinguals in accessing academic language in the content classroom, equity and advocacy for linguistically diverse students and their families, and differentiation of instruction in the linguistically and culturally diverse classroom.

**Credits: 3**

## ED 682 Sociopolitical Foundations of ESOL/Bilingual Education

Surveys the historical development of ESOL/bilingual education. Provides insights into government policy and legal aspects of ESOL/bilingual education as well as research, theory and classroom implications.

**Credits: 3**

## ED 683 Fostering Cultural and Community Connections in the ESOL/Bilingual Classroom

Explores the concept of culture and its manifestation in society, the community and the classroom. Strategies to maximize learning using cultural and community resources, as well as to build partnerships with families, are addressed.

**Credits: 3**

## ED 684 Language Acquisition and Educational Linguistics in the ESOL/Bilingual Classroom

Explores current theory and research in first and second language acquisition and issues in linguistics applied to ESOL/bilingual education. Topics in language acquisition include historical and current theories, developmental stages, as well as the factors that influence learning an additional language.

**Credits: 3**

## ED 685 The Word and the World: Supporting All Learners Through Language and Literacy

Major theories of language and literacy will be examined as they apply to diverse emergent and developing readers in preschool through elementary grades. Teacher candidates learn how to administer a variety of reading assessments to guide instructional decision-making and design standards-based rationales and lesson plans that differentiate to meet all students' unique needs.

**Credits: 3**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 686 Capstone and Professional Leadership Seminar I

Students will begin their engagement in developing a learning community that will support them during their final year of clinical practice and in the development of a reflective, research-based graduate capstone project. Introduces the two primary graduate exit requirements: A Teacher Performance Assessment and a Capstone Project.

Two hours of lecture and one two hour lab per week

**Credits: 2**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 687 Capstone and Professional Leadership Seminar II

Students continue their engagement in developing a learning community that will support them during their final year of clinical practice and in the development of a reflective, research-based graduate capstone project.

Two hours of lecture and one two hour lab per week

**Credits: 2**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 688 Capstone and Professional Leadership Seminar III

Students continue their engagement in developing a learning community that will support them during their final year of clinical practice and in the development of a reflective, research-based graduate capstone project.

Two hours of lecture and one two hour lab per week

**Credits: 2**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 689 Contemporary Children's and Young Adult Literature in the Classroom

A study of current releases and award winners from children's to young adult literature. Current issues and trends in juvenile literature will be examined.

The use of new materials and possibilities for integration in all content areas will be explored.

**Credits: 3**

## ED 690 STEM Educational Leadership

This course examines the role of the STEM education leader in both formal and nonformal settings as recommended by research and professional organizations. Using STEM education research students will explore the historical and socio-political contexts for the current emphasis on STEM education, and how it is being interpreted and implemented in different educational settings, at the local, regional, and national level. Studying STEM education goals, issues, trends, policies, instructional practices, student outcomes, curriculum, and the creation of STEM equity learning environments are included. Students will analyze and plan for best practices in STEM professional learning opportunities.

**Credits: 3**

**Prerequisite:** *Course must be completed before enrolling in ED 609, Practicum: STEM Leadership*



# Course Descriptions

## ED 691 Curriculum, Instruction and Assessment Strategies for Emergent Bilinguals

Examines current curriculum models, materials, teaching approaches and assessment techniques that maximize the academic achievement of English language learners.

**Credits: 3**

## ED 692 English Language Development for ESOL and Bilingual Settings

Focuses on theory, methods and strategies for teaching English Language Development (ELD) in ESOL and bilingual settings. Emphasizes techniques for teaching the four language skills, language functions, meaningful grammatical forms and vocabulary through content-based lessons.

**Credits: 3**

## ED 693 Teaching Reading Across the Disciplines

Explores best practices for teaching reading (including literature, informational text and reading across the curriculum) under the Common Core State Standards for elementary, middle and high school teachers. Implementation, analysis, and critical review of the Common Core State Standards and Smarter Balanced Assessment will be included.

**Credits: 3**

## ED 694 Assessment of English Language Learners

Focus on assessing English language learners in K-12 public school programs. Assessment principles are taught in a context of language acquisition theories, pedagogical methods, cultural appropriateness and the legal framework for English language learners in public education.

**Credits: 3**

## ED 695 Applied Research Seminar: Leadership Project

Three large group sessions will be held during the term to inform students on career placement and interviewing for a job, application for initial licensure, continuing licensure, liability and the teacher and other special topics.

**Credits: 2**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 696 Authentic Assessment Practices for Diverse Classroom Settings & Students

ED 696 explores effective authentic classroom assessments that: a) address various classroom settings and learner needs, b) require application of what students have learned to a new situation, c) embed real-world situations, and d) have appropriate grading/evaluation tools. As effective classroom assessments are part of the necessary foundation for student achievement, educators need to know how to develop, use, and analyze assessments, as well as be able to modify assessments to better meet learner needs, and communicate results of assessment data to stakeholders.

**Credits: 3**

## ED 697 M.A.T. Clinical Experience III

An extended preservice teaching experience within a public school setting in the student's primary level of preparation.

**Credits: 1-9**

**Prerequisite:** *Acceptance to M.A.T.: Initial Licensure Program*

## ED 698 Foundations of Social Emotional Learning

This course is designed to introduce the fundamentals of social and emotional learning to educators. The course lays the theoretical foundations of children and adolescents' social-emotional learning and wellbeing from cognitive, family and humanistic approaches, and introduces CASEL's

framework of social-emotional learning. The course focuses on promoting self-care of teachers, educators and staff working in school settings and advocates integration of social-emotional learning into daily school practices and subject teaching through community building in schools and classrooms, character development, lesson planning and instruction, and family-school collaborations.

**Credits: 3**

## ENG 199 Special Studies

For specialized topics not otherwise in catalog. Terms and hours to be arranged.

May be repeated for up to 12 credits, if content is different.

**Credits: 1-12**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENG 399 Special Studies

An in-depth study of a special topic in English areas as identified in the online course offerings.

May be repeated for up to 8 credits, if content is different.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENG 406 Special Individual Studies

Terms and hours to be arranged. Individual or special studies in a limited area of interest under the guidance of a designated faculty member. May be repeated for up to 12 credits, if content is different.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENG 407 Seminar

Specific focus will be identified in the online course offerings.

May be repeated for up to 8 credits, if content is different.

# Course Descriptions

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENG 409 Internship

Terms and hours to be arranged.

May be repeated for up to 8 credits, if content is different.

Eligible for the RP grade option.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENG 498 Senior Capstone

Provides guidance in producing and assembling the senior capstone portfolio required of majors in English Studies, all tracks.

Eligible for the RP grade option.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ENG 507 Seminar

Specific focus will be identified in the online course offerings.

May be repeated for up to 8 credits, if content is different.

**Credits: 4**

## ENG 606 Special Individual Studies

Terms and hours to be arranged.

Provides graduate students the opportunity to study a special or individual area of interest under the guidance of a designated faculty member.

May be repeated for up to 9 credits, if content is different.

**Credits: 1-15**

**Prerequisite:** *Consent of instructor*

## ENT 320 Entrepreneurial Finance

Introduction to tools entrepreneurs use to manage scarce resources in a new venture. Covers bootstrapping techniques and funding strategies of both debt and equity. Students will learn applied approaches to current

asset and liability management, risk management and managing cash flow.

**Credits: 1**

**Prerequisite:** *BA 211 (or equivalent)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 330 Planning and Creating New Ventures

How to start a business, with emphasis on the assessment of business opportunities and the concepts, skills, information and attitudes required to successfully create a new venture. Students will prepare a business plan.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 350 Small Business Management

Understanding the process of managing one's own business. Includes organizational controls, strategic planning, ethics, the business owner's role in society and human resource management.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 360 Small Business Marketing

Focuses on key marketing concepts and methods used by small and growing businesses. Topics may include targeted marketing, distribution alternatives, assessment of market potential, personal selling, networking and referrals, alternatives to high-cost advertising and low-budget or no-budget market research.

**Credits: 3**

**Prerequisite:** *BA 310*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 365 Retailing

Retailing is the business of offering goods and services for sale to end consumers for their own consumption, rather than for resale. This course introduces retailers as part of a product's supply chain; applies marketing concepts and processes

(e.g., market segmentation, consumer behavior, marketing mix) to retail strategy; considers decisions that are critical to bricks and mortar stores; and introduces the basics of e-commerce.

**Credits: 3**

**Prerequisite:** *BA 310*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 380 Entrepreneurs Today

Students will explore the entrepreneurial process from the viewpoint of successful entrepreneurs. Students will have opportunity to evaluate their own interest and readiness for starting a business.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 381 Creativity and Entrepreneurs

Interactive workshop designed to introduce students to the creative process, how ideas are generated, what blocks creative thinking and how to establish an environment that fosters creativity.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 382 Innovation and Strategy

Interactive workshop exploring how to take a new idea to fruition, the barriers faced in the implementation stage and how to overcome them.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 383 Entrepreneurs and Society

Interactive workshop exploring how entrepreneurs face ethical issues and the role of personal values in the development and operation of a small business.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## ENT 384 Going Into Business In Oregon

Explores the legal and administrative requirements for establishing a business in Oregon. Topics covered will include filing and fees, employee rights and Oregon law, regulations of local jurisdictions, reporting requirements and other state regulations.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ENT 460 Entrepreneurship in Action

Students will gain practical experience of entrepreneurship by working on a consulting project for a business, performing an internship, writing a business plan for their own business idea or through other projects approved by the instructor.

**Credits: 3**

**Prerequisite:** ENT 320 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ETH 201 Introduction to Ethnic Studies

An introduction to the field of Ethnic Studies including basic elements of race and ethnicity in global, national, and regional dimensions; key concepts such as diversity, assimilation, pluralism, and intersectionality; analysis of the origins of modern racial issues and the relationship between ethnicity and diverse fields and particular ethnic groups.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ETH 202 Introduction to Cultural Studies

An introduction to the field of Cultural Studies including an exploration of culture in social and individual life. The course will employ a Cultural Studies framework in order to examine the issues such as inequality, domination, identity and resistance.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ETH 405 Capstone

The Ethnic Studies capstone course is an Individualized Course designed for students to reflect on, demonstrate and apply your knowledge of concepts, insights and professional skills gained over the course of their studies in the context of learning inside and outside the classroom.

**Credits: 4**

**Prerequisite:** Ethnic Studies major or minor, or permission of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ETH 407 Seminar

Special seminar topic offerings in the Ethnic Studies discipline. Terms and hours to be arranged.

May be repeated up to 12 credits.

**Credits: 1 - 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ETH 409 Practicum

Terms and hours to be arranged. Supervised practical experience in a professional ethnic studies field.

May be taken up to 8 credits. Eligible for the RP grade option.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## EXS 230 Foundations of Exercise Science

Introduction to the field of exercise science and its various professional applications. An overview of the sub-disciplines of exercise science will be provided as well as career tracks and opportunities and related professional organizations. Students develop their own philosophies and select a program/career track.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 238 Teaching Educational Gymnastics

Designed for physical education and elementary education majors and those in related fields who may teach physical activities to students. Students learn how to perform, teach and spot beginning and intermediate gymnastics and tumbling skills and activities.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 239 Movement Education

Students learn how to teach movement concepts, fundamental motor skills and physical activity to children. Emphasis on learning developmentally appropriate physical activities for children (K-6), motor skill analysis and assessment, methods for task variation, movement progression development and teaching strategies.

**Credits: 3**

**Corequisite:** EXS 330

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 240 Dance in Physical Education

Course provides students with the pedagogical content knowledge for teaching creative and recreational forms of dance within the K-12 physical education curriculum.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 241 Teaching Games for Understanding

Activity and theory designed to experience, examine and develop a non-traditional curriculum for K-12 physical education following the Teaching Games for Understanding model. Various physical activities included that can be part of the TGfU model in physical education.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## EXS 242 Sport Education Model

Activity and theory designed to experience, examine and develop a non-traditional curriculum for K-12 physical education following the Sport Education model. Various physical activities included that can be part of the Sport Education model in physical education.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 243 Outdoor Pursuits & Adventure Based Learning

Activity and theory designed to experience, examine and develop a non-traditional curriculum for K-12 physical education. Various outdoor and adventure activities included that can be part of an alternative curriculum in physical education.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 244 Group Exercise Leadership

Provides students with the pedagogical content knowledge for teaching aerobic fitness and related conditioning activities within the K-12 physical education curriculum and various venues in the fitness industry.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 245 Foundations of Strength Training and Conditioning

Exposes students to a variety of training methodologies, philosophies and applications. Emphasis is to prepare students with an adequate knowledge base in the area of resistance exercise and conditioning so they may write prescriptive training regimens for specific performance areas.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 301 Basic Exercise Science

Acquaints students with basic principles of exercise physiology, kinesiology/biomechanics and motor development. Emphasis is on application of these principles to younger populations. The course assumes limited background in anatomy, physiology and physics.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 310 Motor Behavior

Study of principles of motor learning and their influence on the learning, retention and performance of motor skills.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 320 Fitness Programming for General Populations

Organization and implementation of fitness activities and programs for general populations in fitness clubs, community centers, clinics and private corporations. Special emphasis given to job opportunities and professional certifications (ACSM, NSCA).

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 330 Teaching Elementary Physical Education

Course provides pre-service physical education specialists with an introduction to the theory and practice of teaching physical education to children. Students will be actively involved in a comprehensive, service-learning, teaching practicum with local home-schooled children throughout the course.

**Credits: 4**

**Prerequisite:** EXS 230, EXS 310 and EXS 371

**Corequisite:** EXS 239

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 335 Field Experience in Physical Education

A physical education field-based experience within a K-12 school setting, under the guidance of a cooperating teacher and university supervisor.

**Credits: 1**

**Prerequisite:** EXS 330 and three of the following classes: EXS 239, EXS 240, EXS 241, EXS 242, EXS 243, EXS 244 and EXS 245, and instructor approval

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 359 Care and Prevention of Athletic Injuries

Examination in the techniques used in the prevention of athletic injuries, including taping, bandaging and strapping along with how to recognize and evaluate basic signs and symptoms associated with common injuries.

Three lectures and one two-hour laboratory each week.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 361 Coaching Youth Sports

Examination of the practices and philosophies involved in coaching and administering youth sports with emphasis on developing practical materials and philosophical goals and strategies.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 370 Sociological and Psychological Aspects of Physical Activity

Focus on social and psychological factors associated with physical activity and sport experiences across the lifespan.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## EXS 371 Biomechanics

Students will study the structure and function of the human musculoskeletal system and will apply movement analysis techniques to a wide range of fundamental and activity specific movement patterns.

**Credits: 4**

**Prerequisite:** *EXS 310, MTH 110 or MTH 111Z (or higher); all prerequisites with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 373 Physiology of Exercise

Human physiological response and adaptation to the effects of physical activity, conditioning and training programs. Exercise implications for both health and human performance.

**Credits: 4**

**Prerequisite:** *BI 234, BI 235, BI 236, all with a grade of C- or better, EXS 230*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 375 Athletics: Coaching and Administration

An examination of the dynamics of personal interaction in athletics; guidance in practice and game organization and conduct; and knowledge of the scope and function of athletic governing bodies as well as current trends and problems in athletics.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 376 Introduction to Sport Management

Explores aspects of the changing world of sport management and reviews the latest business trends and career opportunities that may exist for the student both domestically and internationally.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 383 Kinesiology

Principles from physics will be presented with application in understanding the physical constraints on human movement, and in evaluating various aspects of human performance and injury risk assessment.

**Credits: 4**

**Prerequisite:** *BI 234; EXS 230, EXS 310, EXS 371, with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 399 Special Studies

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 406 Special Individual Studies

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 407 Seminar

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 408 Workshop

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 409 Practicum

Terms and hours to be arranged. May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 410 Sport Ethics

A study of theories of ethical behavior, moral philosophy and education and their application to issues in sport and athletics.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## EXS 415 Lifespan Motor Development

Provides students with a knowledge base in the study of changes in motor behavior across the lifespan, the processes that underlie these changes and the factors that affect them.

**Credits: 4**

**Prerequisite:** *EXS 230, BI 234, BI 235 and BI 236, each with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 420 Motor Learning for Coaches

Study of conditions and factors that influence the learning and performance of motor skills with particular attention to those skills having relevance for the coach as orchestrator of learning and retention.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 423 Sport in Film

Focuses on ways a person can "read" a movie and apply sport film topics and themes to one's cultural, societal, individual and professional issues.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 426 Sports & Exercise Nutrition

Nutrition as it relates to the demands of exercise and competitive sport. Special emphasis on the differing needs of population groups and the

# Course Descriptions

relationship of diet and exercise to optimal health.

**Credits: 4**

**Prerequisite:** HE 325

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 430 Teaching Secondary Physical Education

Current best practices in teaching strategies and teacher effectiveness for secondary physical education with the intent to maximize student learning and physical activity. Development and analysis of teaching skills with a focus on NASPE K-12 content and beginning teacher standards.

**Credits: 4**

**Prerequisite:** Five of the following classes: EXS 239, EXS 240, EXS 241, EXS 242, EXS 243, EXS 244 and EXS 245

**Corequisite:** EXS 431

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 431 Assessment Strategies In Physical Education

Examination of assessment and evaluation tools in physical education that gauge student learning in all learning domains. Students will align and embed assessment with instruction in the design and delivery of physical education programs.

**Credits: 4**

**Prerequisite:** EXS 335 and five of the following classes: EXS 239, EXS 240, EXS 241, EXS 242, EXS 243, EXS 244 and EXS 245

**Corequisite:** EXS 430

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 433 Physical Education in the Elementary School

Provides elementary classroom teachers with an overview of theory and practice for teaching physical education to children in the elementary school (K-6). Methods for integrating physical activity with other disciplines.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 440 Legal Issues in PE and Sport

Familiarizes the students with legal aspects relating to physical education and sport. Student's constitutional rights in the public school setting, as they relate to physical education and sport, with specific attention given to the first, fourth and 14th amendments.

**Credits: 3**

**Prerequisite:** Junior, senior or post baccalaureate standing

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 444 Lifespan Adapted Physical Activity

Study of problems as they relate to philosophy, procedures and practices in Adapted Physical Education and the organization and administration of Adapted Physical Education and Recreation programs for people in all age groups who have disabilities.

**Credits: 4**

**Prerequisite:** EXS 383

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 445 Curricular Issues in Physical Education

Constructing a curriculum for K-12 physical education will be examined from two main perspectives; 1) curriculum as content and 2) curriculum as teacher. Various curricular and instructional models will be explored from a theoretical basis, using the NASPE K-12 content standards as a framework.

**Credits: 4**

**Prerequisite:** EXS 430 and EXS 431 and six of the following classes: EXS 239, EXS 241, EXS 241, EXS 242, EXS 243, EXS 244 and EXS 245

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 453 Pathophysiology and Exercise

This course relates normal body functioning to the physiologic changes that occur as a result of injury and disease, and examines the effects of

physical activity on these processes.

**Credits: 4**

**Prerequisite:** BI 234, BI 235, and BI 236 with a grade of C- or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 455 Physical Activity & Aging

This course will address the consequences of primary and secondary aging from an individual and public health perspective. A focus will be placed on psychological and sociological factors as they relate to adopting and maintaining an active lifestyle. Topics will include; participation in physical activity, functional assessment, and physical activity prescription and programming for older adults with and without chronic disease and/or disability.

**Credits: 4**

**Prerequisite:** EXS 230, EXS 310 and EXS 371 with a grade of C- or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 460 Therapeutic Exercise: Foundations and Techniques

Advanced study in the development and application of appropriate exercise principles and techniques used in the care and treatment of muscular skeletal injuries.

**Credits: 2**

**Prerequisite:** EXS 359

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## EXS 465 Motivational Interviewing

Motivational Interviewing (MI) is an evidence-based counseling/communication method designed for evoking internal motivation for positive behavior change. This course introduces the underlying spirit, principles, and skills of MI. The focus will primarily be on the use of MI by health and fitness professionals. Students will be guided through a sequence of learning activities to develop and refine the skills of MI and to begin a process for developing proficiency.

# Course Descriptions

**Credits: 4**

**Prerequisite:** *Junior standing*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 477 Advanced Programming for Sport and Fitness**

Beyond traditional exercise programming. This course examines techniques and programs for improved performance in the health and motor skill-related physical fitness.

**Credits: 4**

**Prerequisite:** *EXS 373*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 484 Advanced Topics in Biomechanics**

Examination of research and practice in biomechanics. Discussion and research topics will vary by term.

**Credits: 4**

**Prerequisite:** *EXS 483 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 485 Exercise Testing and Prescription**

Methods and protocols for screening, evaluating and prescribing exercise programs for healthy adults. Emphasis is on exercise testing procedures and interpretation of results to promote a healthy physically active lifestyle.

**Credits: 4**

**Prerequisite:** *HE 325 and EXS 373*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 486 Advanced Topics in Motor Behavior**

Examination of research and practice in motor behavior/motor learning. Discussion and research topics will vary by term. Topics may include areas such as: dynamic systems, motor control in learning or rehabilitation, program planning, etc.

**Credits: 4**

**Prerequisite:** *EXS 310 or consent of*

*instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 487 Advanced Topics in Physiology of Exercise**

In depth examination of the human physiological response to the acute and chronic effects of exercise. Research and discussion topics will vary by term.

**Credits: 4**

**Prerequisite:** *BI 234, BI 235 and BI 236*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 488 Exercise Motivation and Adherence**

Social/psychological aspects of self-perceptions and cognitions in explaining motivated behavior in exercise and fitness settings. Focus is on theories and application of strategies for facilitating individual behavior change.

**Credits: 4**

**Prerequisite:** *EXS 370*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 489 Advanced Topics: Adapted Physical Activity**

This course will focus on creating developmentally appropriate physical activity programs for individuals with disabilities. Students will learn to evaluate individuals and design appropriate physical activity programs and recommendations based on individual physical and cognitive needs. These programs may include leisure, recreation, fitness, and/or sport opportunities.

**Credits: 4**

**Prerequisite:** *EXS 444 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 490 Research Methods**

This course teaches students from exercise science and related disciplines to locate, read, and interpret primary research articles in

the field. The course also provides and introduction to commonly used experimental research designs and statistical analyses while placing a strong emphasis on applications for advancing knowledge in related fields.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 498 Internship in Exercise Science**

Supervised field experience, completed in cooperation with a qualified, partnering agency. The experience is designed to allow the Exercise Science major to demonstrate the professional skills and competencies appropriate to their chosen career path.

**Credits: 4**

**Prerequisite:** *Senior standing; EXS 485; completion of the exercise science major required core courses; consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **EXS 510 Sport Ethics**

A study of theories of ethical behavior, moral philosophy and education and their application to issues in sport and athletics.

**Credits: 4**

## **EXS 520 Motor Learning for Coaches**

Study of conditions and factors that influence the learning and performance of motor skills with particular attention to those skills having relevance for the coach as orchestrator of learning and retention.

**Credits: 4**

## **EXS 523 Sport in Film**

Focuses on ways a person can "read" a movie and apply sport film topics and themes to one's cultural, societal, individual and professional issues.

**Credits: 4**

# Course Descriptions

## EXS 526 Sports and Exercise Nutrition

The study of nutrition as it relates to the demands of exercise and competitive sport. Special emphasis on current research examining the differing needs of population groups and the relationship of diet and exercise to optimal health.

**Credits: 4**

**Prerequisite:** HE 325

## EXS 545 Curricular Issues in Physical Education

Constructing a curriculum for K-12 physical education will be examined from two main perspectives; 1) curriculum as content and 2) curriculum as teacher. Various curricular and instructional models will be explored from a theoretical basis, using the NASPE K-12 content standards as a framework.

**Credits: 4**

**Prerequisite:** EXS 430 and EXS 431 and six of the following classes: EXS 239, EXS 240, EXS 241, EXS 242, EXS 243, EXS 244 and EXS 245

## EXS 553 Pathophysiology & Exercise

This course relates normal body functioning to the physiologic changes that occur as a result of injury and disease, and examines the effects of physical activity on these processes.

**Credits: 4**

**Prerequisite:** BI 234, BI 235, BI 236 with a grade of C- or better

## EXS 555 Physical Activity & Aging

This course will address the consequences of primary and secondary aging from an individual and public health perspective. A focus will be placed on psychological and sociological factors as they relate to adopting and maintaining an active lifestyle. Topics will include; participation in physical activity, functional assessment, and physical activity prescription and programming for older adults with and without

chronic disease and/or disability.

**Credits: 4**

## EXS 577 Advanced Programming for Sport & Fitness

Beyond traditional exercise programming. This course examines techniques and programs for improved performance in the health and motor skill-related physical fitness.

**Credits: 4**

**Prerequisite:** EXS 373 or consent of instructor

## EXS 584 Advanced Topics in Biomechanics

The applied focus of this course will be Sports, Exercise, and Rehabilitation Equipment Design, with a theoretical emphasis on the scientific concept of energy in its various forms. Students will gain an advanced understanding of Energy and related biomechanical concepts as applied to design considerations for sports and exercise equipment through review and discussion of various contemporary research articles, evaluation of design features and historical progression of common equipment, and through the development of a research-based project.

**Credits: 4**

**Prerequisite:** EXS 483 , or consent of instructor

## EXS 586 Advanced Topics in Motor Behavior

Examination of research and practice in motor behavior/motor learning. Discussion and research topics will vary by term. Topics may include areas such as: dynamic systems, motor control in learning or rehabilitation, program planning, etc.

**Credits: 4**

## EXS 587 Advanced Topics in Exercise Physiology

In-depth examination of the human physiological response to the acute and chronic effects of exercise. Research and discussion topics will

vary by term.

**Credits: 4**

**Prerequisite:** BI 234, BI 235, BI 236

## EXS 588 Exercise Motivation and Adherence

This course will introduce graduate-level students to information concerning interactions among biological, psychological, behavioral, socio-cultural, and environmental determinants that influence the promotion of physical activity to improve health and prevent chronic disease. Prevailing theories and approaches to behavior change will be discussed and critiqued with an emphasis on application in health and exercise-related settings.

**Credits: 4**

**Prerequisite:** EXS 370 or equivalent

## EXS 589 Advanced Topics: Adapted Physical Activity

This course will focus on creating developmentally appropriate physical activity programs for individuals with disabilities. Students will learn to evaluate individuals and design appropriate programs and recommendations based on individual physical and cognitive needs.

**Credits: 4**

**Prerequisite:** EXS 444

## EXS 590 Research Methods

This course teaches students from exercise science and related disciplines to locate, read, and interpret primary research articles in the field. The course also provides an introduction to commonly used experimental research designs and statistical analyses while placing a strong emphasis on applications for advancing knowledge in related fields.

**Credits: 4**

## EXS 606 Special Individual Studies

Terms and hours to be arranged.

**Credits: 1-9**



# Course Descriptions

## EXS 607 Seminar

Terms and hours to be arranged.  
**Credits: 1-9**

## EXS 608 Workshop

Terms and hours to be arranged.  
**Credits: 1-9**

## EXS 609 Practicum

Terms and hours to be arranged.  
**Credits: 1-9**

## EXS 698 Exercise Science Internship

Exercise Science graduate students will demonstrate targeted professional competencies to enhance professional growth, apply new and existing skills, and develop leadership practices under the mentorship and supervision of a qualified exercise science preceptor. May be repeated for up to 12 credits.  
**Credits: 1-12**  
**Prerequisite:** *Consent of instructor*

## FS 199 Special Individual Studies

Terms and hours to be arranged. Individual projects, practicum on special studies in a limited area of interest, under the guidance of a designated staff member. May be repeated for up to 12 credits.  
**Credits: 1-3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.  
**Note:** *All students must attend an orientation meeting prior to registration to set up placement in a school for this practicum. Information on the time and place will be posted in the RWEAC and Academic Advising office approximately two weeks prior to registration.*

## FS 303 September Experience

One-to-three week pre-student teaching program required of all education students, who will select or be assigned to a school in the weeks prior to its opening in the fall. A one-

day seminar will be held at or near the conclusion of this experience.  
**Credits: 1-3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.  
**Note:** *All students must attend an orientation meeting prior to registration to set up placement in a school for this practicum. Information on the time and place will be posted in the RWEAC and Academic Advising office approximately two weeks prior to registration.*

## FS 358 Winter Experience

A practicum experience providing an opportunity for students to spend a week in a school during the winter holiday. Students participate in the school and community activities.  
**Credits: 1**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.  
**Note:** *All students must attend an orientation meeting prior to registration to set up placement in a school for this practicum. Information on the time and place will be posted in the RWEAC and Academic Advising office approximately two weeks prior to registration.*

## FS 399 Special Studies

Designed for an individual or group in a special interest area under the instruction and guidance of a designated staff member. This course may also be used for a field experience placement. May be repeated for up to 12 credits.  
**Credits: 1-3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.  
**Note:** *All students must attend an orientation meeting prior to registration to set up placement in a school for this practicum. Information on the time and place will be posted in the RWEAC and Academic Advising office approximately two weeks prior to registration.*

## FS 409 Practicum

Terms and hours to be arranged. May be repeated for up to 12 credits.  
**Credits: 1-3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FS 509 Practicum

Terms and hours to be arranged. May be repeated for up to 12 credits.  
**Credits: 1-3**

## FS 600 Seminar I: CTL Project Planning

First course in a three-course series designed for candidates who plan to advance from an Initial Teaching License to a Continuing Teaching License (CTL). Candidates will advance through the process of documenting their advanced proficiencies required by TSPC to move from an Initial to a CTL. Course will develop and expand students' understanding of action research and its place within the K-12 classroom. Emphasis in this course will include how to develop a research question, how to develop and plan data sources and will culminate in the creation of an action plan.  
**Credits: 2**

## FS 601 Seminar II: CTL Project Implementation

Second course in a three-part series designed for candidates who plan to advance from an Initial Teaching License to a Continuing Teaching License (CTL). Candidates will advance through the process of documenting their advanced proficiencies required by TSPC to move from an Initial to a CTL. Course will develop and expand students' understanding of action research and its place within the K-12 classroom. Emphasis in this course will include developing and carrying out an action research project within a classroom or other educational setting as well as continued study in advanced assessment and action research strategies and techniques.  
**Credits: 2**

## FS 602 Seminar III: CTL Research Results and Reflections

Third course in a three-part series designed for candidates who plan to advance from an Initial Teaching

# Course Descriptions

License to a Continuing Teaching License CTL). Candidates will advance through the process of documenting their advanced proficiencies required by TSPC to move from an Initial to a CTL. Course will develop and expand students' understanding of action research and its place within the K-12 classroom. Emphasis in this course will include data analysis, constructing a report of research findings, considering implications of action research and reflection on teaching as a researching profession.

**Credits: 2**

## FLM 406 Special Individual Studies

Term, hours and topics to be arranged with film studies faculty.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## FLM 409 Practicum

Terms and hours to be arranged with film studies faculty. Students will arrange for practical experience in film or video production or in the application of film theory and criticism. May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## FYS 107 First Year Seminar: Writing Focused

Seminars focus on topics of general interest while developing key academic foundations (reading, information literacy, creative and critical thinking, technological literacy, and either writing or quantitative literacy). Writing-focused seminars integrate several writing assignments and a variety of types of writing.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**First Year Seminar:** *Writing-focused Seminar*

## FYS 207 First Year Seminar: Quantitative Focused

Seminars focus on topics of general interest while developing key academic foundations (reading, information literacy, creative and critical thinking, technological literacy, and either writing or quantitative literacy). Quantitative-focused seminars integrate assignments that require the use and understanding of quantitative information/evidence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**First Year Seminar:** *Quantitative-focused Seminar*

## FR 101 First Year French I

First term of introductory French. Students learn to converse at a basic level, with pronunciation that would be understood by a sympathetic native speaker. Reading diverse examples of French provides models for writing. Contexts include people inside and outside the classroom; family life at home, in town and in the country; and people's daily activities.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## FR 102 First Year French II

Second term of introductory French builds on the skills learned in FR 101. Students continue to grasp the main ideas when listening to a variety of French accents; reading in topics they have studied; building vocabulary; incorporating grammar, vocabulary and culture.

**Credits: 4**

**Prerequisite:** *FR 101 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## FR 103 First Year French III

Third term of introductory French. Students learn to talk in past tenses and about traditions of Francophone

counterparts. Focus on food, including shopping and eating at home and in restaurants. Also includes geography, weather and the environment. Students continue to expand vocabulary and knowledge.

**Credits: 4**

**Prerequisite:** *FR 102 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## FR 110 Introduction to French Literature in Translation

A survey of French literary genres involving works in English translations from a variety of periods.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## FR 200 Basic French Conversation

Conversation practice in the French language, designed for students in the earlier stages of learning the language. Focus on everyday use of language, talking about self, family, activities and daily events.

May be repeated for credit.

Pass-No Credit (P/NC) grading only.

**Credits: 1**

**Prerequisite:** *FR 101 or higher or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 201 Second Year French I

Builds fluency with everyday conversation topics (food, shopping, lodging), focusing on vocabulary expansion and review of basic verb forms and sentence structures; both oral/aural and written skills are developed. Further cultural awareness is built through articles, simplified fiction and multimedia elements.

**Credits: 4**

**Prerequisite:** *FR 103 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication*

# Course Descriptions

and Language

## FR 202 Second Year French II

Students expand conversation and writing skills; discussions using new and traditional media and movies and mastering new vocabulary relevant to these themes. Develop skill with more advanced verb tenses and parts of speech, allowing discussion with increasingly complex sentences.

Cultural exposure to French/Francophone media.

**Credits: 4**

**Prerequisite:** *FR 201 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## FR 203 Second Year French III

Focus on talking/writing about travel to places where French is spoken. The most advanced structures of the language are studied. Mastery of these forms allows students to discuss hypothesis, subjective points of view and project into the future in increasingly complex speech.

Exposure to Francophone culture from different parts of the world through videos, songs, movies and articles.

**Credits: 4**

**Prerequisite:** *FR 202 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## FR 299 Special Studies

Topics and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 300 French Table

Conversation practice in the French language, designed for intermediate-advanced students. Emphasis on fluent conversation, giving one's opinion and discussing current events. May be repeated, a maximum of 3

credits can apply to the French minor. Pass-No Credit (P/NC) grading only.

**Credits: 1**

**Prerequisite:** *FR 202 or higher or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 301 Intermediate French Composition and Phonetics I

Builds from conversation to formal presentations in French. Students work with authentic and more complex works of fiction, articles, audio interviews, websites, etc. Grammar will be less of a focus but reviewed. Will learn literary tense and read an unabridged literary work.

**Credits: 4**

**Prerequisite:** *FR 203 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## FR 302 Intermediate French Composition and Phonetics II

Develops skills with discussion and presentations about increasingly complex themes, linked to in-depth cultural focus via multiple media forms. Grammar review. Introduces French phonetics, studying the phonetic alphabet and transcribing French sentences as well as looking at sentence divisions, syllables, intonation, etc. Students continue to reinforce the vocabulary they already know and add to their vocabulary list.

**Credits: 4**

**Prerequisite:** *FR 301 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 303 Intermediate French Composition and Phonetics III

Students develop nuanced expression and detailed, clear speeches in French. Will engage practical skills such as expressing frustration constructively, writing a resume and job interviews. Phonetics focuses on specific sounds difficult to master. Grammar alternates between difficult concepts and consolidation of basics;

help writing complex well-structured texts. Ongoing study of culture through articles music, movies, literary works, websites, etc.

**Credits: 4**

**Prerequisite:** *FR 302 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 310 Introduction to French Literature

Provides grounding in the basic concepts and development of a variety of French literary styles, periods and genres.

**Credits: 3**

**Prerequisite:** *Concurrent enrollment in or completion of FR 302 or higher*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 340 Topics in French Arts and Culture

Focused study of a topic related to the arts and culture in France; may include study of a particular artist, medium, period or movement, in a theme that crosses periods or media. Specific focus will be identified in the online course offerings.

May be repeated twice for credit, if content is different.

**Credits: 3**

**Prerequisite:** *FR 203 or higher*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 399 Special Studies

Topics and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Prerequisite:** *FR 203 or higher*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 405 Reading and Conference

Topics and hours to be arranged. Up to three credits can apply to French minor.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## FR 407 Seminar

Topics and hours to be identified in schedule of classes.

May be repeated for up to 6 credits.

**Credits: 3-4**

**Prerequisite:** FR 301 or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 410 Topics in French Language and Literature

In-depth study of an author, period, genre or movement in French or Francophone literature or language study.

May be repeated for credit, if content is different; focus will be identified in the online course offerings.

**Credits: 3**

**Prerequisite:** FR 302 or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 416 French Teaching Practicum

Practice in applying language teaching techniques as an assistant in first-year courses; study of language pedagogy. May be repeated for up to 3 credits.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 440 Topics in French Civilization and Culture

In-depth study of a particular period or an issue that crosses historical periods.

May be repeated for credit, if content is different; focus will be identified in the online course offerings.

**Credits: 3**

**Prerequisite:** FR 302 or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 499 Special Studies

Topics and hours to be arranged.

**Credits: 1-12**

**Prerequisite:** FR 301 or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## FR 507 Seminar

Topics and hours to be identified in schedule of classes.

May be repeated for up to 6 credits.

**Credits: 3-4**

**Prerequisite:** FR 301 or higher

## FR 510 Topics in French Language and Literature

In-depth study of an author, period, genre or movement in French or Francophone literature or language study.

May be repeated for credit, if content is different; focus will be identified in the online course offerings.

**Credits: 3**

**Prerequisite:** FR 302 or higher

## FR 516 French Teaching Practicum

Practice in applying language teaching techniques as an assistant in first-year courses; study of language pedagogy. May be repeated for up to 3 credits.

**Credits: 1**

## FR 540 Topics in French Civilization and Culture

In-depth study of a particular period or an issue that crosses historical periods.

May be repeated for credit, if content is different; focus will be identified in the online course offerings.

**Credits: 3**

**Prerequisite:** FR 302 or higher

## GEOG 240 Map & Air Photo Interpretation

This course explores the use of topographic maps and aerial photographs to measure and interpret geographic patterns of the natural and social environment. Emphasis is on location, landscape patterns and process identification. The course meets for four hours per week and follows an integrated lecture-lab format with 50% of the scheduled class time dedicated to experiential lab-oriented exercises.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## GEOG 370 Human Migration

International and internal migration since World War II. Factors important in the initiation and continuation of migration. Special focus on Mexico-U.S. migration and settlement.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GEOG 371 Mexico and Central America

Contemporary physical and human landscapes and their genesis. Areas of focus include human migration, environmental change and social dynamics.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GEOG 421 The Changing American West

Examines contemporary conflicts over regional identity in the American West. Interpretation of cultural and economic change such as the decline of resource industries and rural areas and the growth of services, cities and suburbs.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GEOG 513 Urban Geography

Urban settlements in the United States and the rest of the world, in terms of patterns, forms and functions; systems of urban land classification and geographic dimensions of urban land use.

**Credits: 4**

## GEOG 518 International Trade and Transportation

Analysis of the origins, routes, destinations of the flows of major

# Course Descriptions

commodities, goods, services and people across national boundaries. Global perspective will include theories and case studies of contemporary and evolutionary patterns.

**Credits: 4**

## **GEOG 521 The Changing American West**

Examines contemporary conflicts over regional identity in the American West. Interpretation of cultural and economic change such as the decline of resource industries and rural areas and the growth of services, cities and suburbs.

**Credits: 4**

## **GEOG 533 Political Geography**

An advanced survey of political geography as a field of study, including special attention to geopolitics and the interpretation of contemporary political events from a geographic perspective.

**Credits: 4**

## **GEOG 570 Energy, Environment and Society**

Examines how different societies utilize energy, how energy transformations change societies, how diverse environments shape the forms of energy utilization and the impacts of energy use on the environment.

**Credits: 4**

## **GERO 120 Medical Terminology I**

Covers medical terminology, symbols and abbreviations and the application of this language in the field of health care. While terms are covered as they relate to body structure and function, the main focus is on medical vocabulary and being able to construct terms using word parts such as roots, suffixes and prefixes.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 200 The Aging Self: Your Pathway Through Adulthood**

Understanding personal aging pathways through adulthood is often overlooked. This course integrates both an engaging academic understanding and a personal focus on the aging experience and how our personal life choices may determine the trajectories of our aging pathways. Through focused service-learning experiences, an aging pathway project, life course interviews, class discussions, and personal reflection, students will gain an understanding of longevity potential and the real challenges and opportunities that increased longevity presents. We will focus on how our course content may help us to enhance our overall understanding of what it means to age well within our personal, cultural, and societal contexts and how to plan for the future, regardless of where we are situated in our personal life paths.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Health Promotion*

## **GERO 320 Introduction to Aging**

Explores the relationships between psychological, physiological, behavioral, cognitive and social aspects of older adults' lives. Topics related to living environments, retirement, social support, family relationships and diseases of older adulthood will be covered.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## **GERO 340 Intersectionality: Inequalities and Vulnerabilities in Older Adulthood**

As we age, we grow more diverse. When groups differ across such areas as gender, race/ethnicity, socioeconomic status, immigration status, and/or sexual orientation and identity, disparities may result from inequalities that privilege some older

adults while disadvantaging others. These differences influence every aspect of our life course. This course addresses aging from an intersectional approach, highlighting how older adults' experiences over time are influenced by their identity and membership within social contexts that situate them within systems of inequalities and related vulnerabilities. We also will learn more about professional options for working with and advocating for older adults in need.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Citizenship, Social Responsibility, and Global Awareness*

## **GERO 360 Cognitive and Physical Changes in Aging**

Survey of normal and pathological cognitive and physical changes occurring from middle age through older age. Emphasis will be on basic age-related changes and their implications for behavior and quality of life in older age. Topics include biological processes, theories of aging, bodily changes associated with aging and related medical terminology. Also covers lifestyle and environmental factors affecting aging and ways of promoting health and preventing disease.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 370 Aging and Mental Health**

Mental health needs of older adults will be surveyed. Positive mental health and pathological conditions will be explored as well as risk and protective factors for mental health problems. Also includes a broad survey of common psychological disorders experienced by older adults. Interventions effective with older adults and their families will be explored.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## **GERO 406 Special Individual Studies**

Designed for individual or special studies in a defined area of interest under the guidance of a designated faculty member.  
May be repeated for credit, if content is different.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 407 Seminar**

Special topic offerings in the area of gerontology. Terms and hours to be arranged.  
May be repeated for credit, if content is different.

**Credits: 1-12**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 410 Practicum in Gerontology I**

Develop personal and professional competencies by participating in a 60-hour field experience. Additional two-hour weekly seminar class is required covering topics related to integration of gerontological content, workplace issues, professional practices and career exploration.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 411 Practicum in Gerontology II**

Further develop and refine personal and professional competencies as established in GERO 410. Students will participate in a 120-hour field placement and two-hour weekly online activities related to gerontology and their practicum experiences.

**Credits: 6**

**Prerequisite:** *Gerontology major, GERO 320, another upper division course in Gerontology and grade of C- or better in GERO 410*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 415 Aging in Our Physical and Social Environments**

This course explores older adults' changing experiences of their physical and social environments. Physiological, psychological and social changes are related to adjustment within urban and rural contexts, different neighborhoods, and immediate living environments.

Students will learn theories of aging and the environment and will explore designs, models, policies and plans that shape our experiences of aging.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 420 Global Aging**

This course explores the phenomenon of global aging and how the lives of older adults are shaped internationally according to the economics, customs, policies, and environments of different regions. We will examine trends that impact all of us on a global level, such as changing demographics, globalization, and climate change, and issues such as social policies and programs in various countries that impact health and longevity, living situations, social roles, and power of older adults compared to other groups in society.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## **GERO 425 Reminiscence, Life Review, and Aging**

Life reviews stem from self-reflection and may promote well-being in aging as determined through evidence-based research. In this course, students will learn about the goals and types of life reviews as they intersect with aging transitions as well as gain training in qualitative interviewing strategies and techniques. Students will conduct life review interviews with older adults living in various settings and prepare a final life review for distribution to an older adult.

**Credits: 4**

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

## **GERO 430 Palliative Care and Chronic Illness**

Overview of the principles and practices of palliative care for life-limiting illness and application to chronic illness will be presented. Will address psychosocial needs, pain and symptom management, effective communication, grief and bereavement and needs of caregivers as these topics relate to end-of-life care in older adults. A historical foundation of the hospice movement that has led to the development of current philosophy of palliative care will be discussed.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 450 Special Topics in Aging**

Course will focus on advanced topics in the discipline of Gerontology with a focus on aging and health.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 455 Social Ties and Aging**

Focus on older persons in social contexts. Will examine historical perspectives; demographic trends; theoretical frameworks and research methods; intimate relationships; intergenerational relationships; and life-course transitions. Students will participate in service-learning project that complements course content.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **GERO 460 Housing and Long-Term Care for Older Adults**

Course will consider the range of housing options and long-term care settings in older adulthood. Topics include different types of home and care environments (e.g., independent, assisted living, skilled nursing, and memory care). Students will also be exposed to basic policies and institutional structures that impact the

# Course Descriptions

development, design, and access to various housing and long-term care options.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GERO 462 Special Topics in Aging and Health Care Delivery

Advanced topics in Gerontology with a focus on health care delivery systems.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GERO 465 Introduction to Healthcare Administration

This 4-credit course introduces students to the full scope of responsibilities and required knowledge and skills associated with healthcare administrator positions. Students will be given a broad overview of finance, human resources, risk assessment, crisis management, compliance, internal and external audits, quality assessment/control, performance review and improvement, legal issues, and ethical concerns. Special attention will be focused on healthcare disparities and serving a diverse and aging population. May be repeated one time for credit.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GERO 480 Alzheimer's Disease and Other Dementias Management

Instruction on effective approaches for providing care to persons with Alzheimer's disease, other types of dementia and related disorders in residential and home care settings. The major types of dementia and typical behaviors presented by patients are presented along with strategies for successful behavior management. Course also covers risk factors for developing dementia, the neuroscience of dementia and strategies to reduce the chance of developing dementia.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GERO 484 Death, Dying and Grief

This course involves a lifespan exploration of the meaning of death, dying, and bereavement from a variety of contemporary perspectives. Class members will have the opportunity to examine both societal and professional issues relating to death, dying, and bereavement, as well as their own personal attitudes about death.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GL 101 First Year German

Introductory course that focuses on the language needs of daily life. Great importance is placed on pronunciation and the development of listening, speaking, reading and writing. Topics include greetings, asking for and giving personal information, shopping and daily routines.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## GL 102 First Year German

Second in a series of three courses that focuses on the language needs of daily life. Great importance is placed on pronunciation and the development of listening, speaking, reading and writing. Topics include the family, asking for and giving directions and talking about past activities.

**Credits: 4**

**Prerequisite:** GL 101 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## GL 103 First Year German

Third in a series of three course that focuses on the language needs of daily life. Great importance is placed on pronunciation and the development of listening, speaking, reading and writing. Topics include personal history, health and fitness, work, travel and weather. Completion brings

students to level A1 of the Common European Framework of Reference (CEFR).

**Credits: 4**

**Prerequisite:** GL 102 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 110 Introduction to German Literature in Translation

A survey of German literary genres involving works in English translation. The study may include works of medieval through contemporary literature. Specific focus will be identified in each year's schedule of classes.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## GL 199 Special Studies

Terms and hours to be arranged. May be repeated for up to 6 credits.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 201 Second Year German

First in a series of three courses at the post introductory level. Designed for learners who want to integrate quickly into the daily routine of German-speaking countries. Concentrates on topics, situations and linguistic situations in everyday life. Themes include festivals, friends, family and school.

**Credits: 4**

**Prerequisite:** GL 103 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## GL 202 Second Year German

Second in a series of three courses at the post introductory level. Covers housing, transportation, fashion and leisure.

# Course Descriptions

**Credits: 4**

**Prerequisite:** GL 201 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## GL 203 Second Year German

Third in a series of three courses at the post-introductory level. Covers housing, transportation, fashion and leisure. Completion brings students to level A2 of the Common European Framework of Reference (CEFR).

**Credits: 4**

**Prerequisite:** GL 202 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## GL 299 Special Studies

Terms and hours to be arranged. May be repeated for up to 6 credits.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 301 Third Year German

First in a series of three courses at the intermediate level. Topics cover personal descriptions, hotel etiquette, food and historical texts. The series prepares learners for the Deutsch-Test für Zuwanderer (test for immigrants) and level B1 of the Common European Framework of Reference (CEFR).

**Credits: 4**

**Prerequisite:** GL 203 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## GL 302 Third Year German

Second in a series of three courses at the intermediate level. Topics cover relationships, medical situations, exercise and shopping dilemmas.

**Credits: 4**

**Prerequisite:** GL 301 or consent of instructor

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## GL 303 Third Year German

Third in a series of three courses at the intermediate level. Topics related to the environment, work and lifelong learning. Successful completion allows students to test at level B1 of the Common European Framework of Reference (CEFR).

**Credits: 4**

**Prerequisite:** GL 302 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 310 German Film and Conversation

Class will be watching, discussing and writing about films and filmmakers from former East and West Germany and the unified Germany. The goal is to familiarize students with German cinema and to improve written and oral language skills in German while learning more about German culture.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 320 Business German

Description and analysis of business terminology in German. Study of business organization, operation and management. Introduction to the language of accounting, marketing and economic matters in German-speaking countries.

**Credits: 3**

**Prerequisite:** GL 203 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 331 German Pronunciation and Phonetics

A thorough study of the sound system of German, with individual attention to each student's difficulties. Distinguish between German and English sounds and practice with IPA.

**Credits: 3**

**Prerequisite:** GL 201 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## GL 340 German Culture and Civilization I: From the Romans to the Enlightenment

Historical and cultural study of central Europe from its Roman occupation to the Enlightenment.

**Credits: 3**

**Prerequisite:** GL 203 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 341 German Culture and Civilization II: From Classicism to Reunification

Historical and cultural study of Germany from the mid-1700s to 1990.

**Credits: 3**

**Prerequisite:** GL 203 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 342 Studies in German Culture and Literature to 1900

Focus on cultural aspects of modern Germany and Austria, their people, customs and institutions.

**Credits: 3**

**Prerequisite:** GL 203 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 343 Studies in German Culture and Literature to 1945

In-depth study of selected writers, forms and/or themes in German-speaking countries up to 1945 (i.e. Nazi Resistance).

**Credits: 3**

**Prerequisite:** GL 203 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 344 Studies in German Culture and Literature to the Present

In-depth study of selected writers,



# Course Descriptions

forms and/or themes in German-speaking countries up to the present.

**Credits: 3**

**Prerequisite:** *GL 203 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 399 Special Studies

Terms and hours to be arranged.

May be repeated for up to 6 credits.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 401 Fourth Year German

The course is designed for students who have reached proficiency level B1 of the Common European Frame of Reference. It draws on student's experiences and creates situations that resemble real life in German-speaking countries. It also promotes independent study of German language and culture. Topics include social interaction and happiness, living arrangements, health and fitness.

**Credits: 3**

**Prerequisite:** *GL 303 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 402 Fourth Year German

The course is designed for students who have reached intermediate level proficiency B1 of the Common European Frame of Reference. It draws on student's life experiences and creates situations that resemble real life in German-speaking countries. It promotes independent study of German language and culture. Topics include leisure, lifelong learning, relationships and work/careers.

**Credits: 3**

**Prerequisite:** *GL 303 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 416 Language Teaching Practicum

Practice as a teaching assistant particularly for teachers in training. May be repeated for up to 6 credits.

**Credits: 1-2**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 423 Studies in German Language and Literature

In-depth study of a literary figure, genre or other topic related to the study of German language, literature and culture.

May be repeated for credit, if content is different.

**Credits: 2-6**

**Prerequisite:** *GL 301 (or equivalent) or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 499 Special Studies

Terms and hours to be arranged.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GL 523 Studies in German Language and Literature

In-depth study of a literary figure, genre or other topic related to the study of German language, literature and culture.

May be repeated for credit, if content is different.

**Credits: 2-6**

**Prerequisite:** *GL 301 (or equivalent) or consent of instructor*

## GS 107 Seminar

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 114 Essentials of Physical Science

An examination of the basic scientific concepts underlying familiar physical

phenomena; topics may include motion, energy, optics, electromagnetism, nature of matter, atomic theory, chemical bonding and chemical reactions.

Three lectures and one laboratory period per week.

**Credits: 4**

**Prerequisite:** *MTH 111Z*

**Corequisite:** *GS 114L*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 114L Lab: Essentials of Physical Science

To be taken concurrently with GS 114.

**Credits: 0**

**Corequisite:** *GS 114*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GS 115 Essentials of Physical Science

An examination of the basic scientific concepts underlying familiar physical phenomena; topics may include motion, energy, optics, electromagnetism, nature of matter, atomic theory, chemical bonding and chemical reactions.

Three lectures and one laboratory period per week.

**Credits: 4**

**Prerequisite:** *MTH 111Z*

**Corequisite:** *GS 115L*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 115L Lab: Essentials of Physical Science

To be taken concurrently with GS 115.

**Credits: 0**

**Corequisite:** *GS 115*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GS 116 Essentials of Physical Science

An examination of the basic scientific concepts underlying familiar physical phenomena; topics may include motion, energy, optics, electromagnetism, nature of matter, atomic theory, chemical bonding and

# Course Descriptions

chemical reactions.

Three lectures and one laboratory period per week.

**Credits: 4**

**Prerequisite:** MTH 111Z

**Corequisite:** GS 116L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 116L Lab: Essentials of Physical Science

To be taken concurrently with GS 116.

**Credits: 0**

**Corequisite:** GS 116

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GS 311 Biological Science for Elementary Schools

Concepts, experiences and materials from the biological sciences adaptable to the elementary school.

Two three-hour sessions of combined lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Introductory biology course or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 312 Physical Science for Elementary Schools

Concepts, experiences and materials from the physical sciences adaptable to the elementary school.

One lecture, two two-hour laboratories.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 313 Earth Science for Elementary Schools

Concepts, experiences and materials from the Earth sciences adaptable to the elementary school.

One lecture, two two-hour laboratories.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 314 Classroom and Laboratory Resources in Science

Presents techniques for the preparation, handling, storage and disposal of laboratory materials. Topics may include laboratory safety regulations, selection of appropriate student laboratory activities, utilization of online and reference resources for selection of classroom and laboratory materials and basic instrument maintenance.

Two three-hour laboratories per week.

**Credits: 2**

**Prerequisite:** CH 223, MTH 112Z and BI 213

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 321 Musical Acoustics

Integrated lecture-demonstration-laboratory approach to the nature of sound and music with direct student involvement. Topics include the nature and perception of sound, acoustical characteristics of music instruments, applications of electronics and architectural acoustics.

Three lectures and one two-hour laboratory.

**Credits: 4**

**Prerequisite:** MTH 105Z (or equivalent)

**Corequisite:** GS 321L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 321L Lab: Musical Acoustics

To be taken concurrently with GS 321.

**Credits: 0**

**Corequisite:** GS 321

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## GS 325 Learning Science Through Scientific Practices

Introduces students to learning science through scientific practices of scientific inquiry and engineering design, and the connection of science and technology to everyday lives. Students examine life, Earth and physical sciences content through

collaborative learning projects.

Two two-hour sessions per week of combined lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Any two General Education Scientific Perspectives classes, or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## GS 342 Coastal Oceanography

Coastal oceanography of Oregon is studied in detail with emphasis on circulation in estuaries, the tides and coastal erosion and deposition.

Students will undertake supervised research projects.

Three lectures and weekend field trips.

**Credits: 3**

**Prerequisite:** ES 104 or ES 331

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 351 Elements of Astronomy

A study of the structure and evolution of the universe from an observational perspective. Topics include the night sky, observational techniques, the solar system, stellar and galactic structure and cosmology.

One three-hour lecture.

**Credits: 3**

**Prerequisite:** MTH 105Z (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 401 Research

Terms and hours to be arranged.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 406 Special Individual Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## GS 407 Seminar

Terms and hours to be arranged.  
May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 408 Workshop

Terms and hours to be arranged.  
May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 409 Practicum

Provides the preprofessional experience desired by such professional schools as medicine and physical therapy.

May be repeated for up to 16 credits.

**Credits: 1-9**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 411 History of Science

A brief history of the development of the natural sciences up to the 19th-century, their social implications and the growth of scientific philosophy. Three lectures.

**Credits: 3**

**Prerequisite:** *Two sequences in natural sciences or mathematics or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 420 Selected Field Investigations

Field expeditions to unique geological and/or biological areas of western North America. In these undertakings, the students will plan and undertake studies of the areas selected for exploration.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 424 Astronomy

A study of the solar system, stars, stellar systems and galaxies including

the application of some of the important concepts of physics, chemistry and mathematics to the field of astronomy.

Three lectures.

**Credits: 3**

**Prerequisite:** *One year each of college physical science and mathematics*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## GS 507 Seminar

Terms and hours to be arranged.  
May be repeated for up to 16 credits.

**Credits: 1-15**

## GS 511 History of Science

A brief history of the development of the natural sciences up to the 19th-century, their social implications and the growth of scientific philosophy. Three lectures.

**Credits: 3**

**Prerequisite:** *Two sequences in natural sciences or mathematics or consent of instructor*

## GS 524 Astronomy

A study of the solar system, stars, stellar systems and galaxies including the application of some of the important concepts of physics, chemistry and mathematics to the field of astronomy.

Three lectures.

**Credits: 3**

**Prerequisite:** *One year each of college physical science and mathematics*

## GS 601 Research

Terms and hours to be arranged.

**Credits: 1-15**

## GS 606 Special Individual Studies

Terms and hours to be arranged.

**Credits: 1-15**

## GS 607 Seminar

Terms and hours to be arranged.

**Credits: 1-15**

## HE 199 Special Studies

Terms and hours to be arranged.  
May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 211 Techniques of Relaxation

Instruction and practice of relaxation techniques to include: progressive muscular relaxation, tai chi, yoga and meditation. Examination of the relaxation response relative to health.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 227 Community and Public Health

A foundational overview of public health concepts and practice. Introduction to the core functions of public health, prevention of diseases and injuries, health needs of special populations, functions of voluntary and governmental organizations and future directions of public health.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 250 Personal Health

Basic scientific knowledge for healthful living; relation of the health of individuals to family and community welfare and to national vitality and progress.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 257 Health Promotion

The focus of this class will be on developing knowledge and skills that lead to a greater understanding of physical activity, nutrition, and mental health as integrated and essential

# Course Descriptions

components to overall health and well-being across the lifespan. Students will learn how to apply evidence-based strategies to optimize their health in the realms of physical activity participation, healthy nutritional habits, and stress management/mental health practices. This class will examine health and well-being using a determinants of health framework. Students will explore physical activity, nutrition, and mental health through an individual, social, and environmental lens as they examine their past, present, and future health behaviors. As a result, students will develop a customized and evidence-based wellness plan guided by individual, social and environmental assessments. This will occur through lecture and experientially-based class sessions.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Health Promotion*

## HE 265 Biology of Public Health

A public health course that introduces students to the biological systems and malfunctions of those systems that influence human health. The immune, cardiovascular, lymph, gastrointestinal, musculoskeletal, and nervous system will be covered.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 285 Foundations of Health Education

History, theory and practice of health education and promotion. Focus on professional competencies, philosophical, ethical, and behavioral foundations, credentialing, and professional development.

**Credits: 4**

**Prerequisite:** HE 227 (may be taken concurrently)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 325 Nutrition

Overview of components of a healthful diet and determinants of food choices.

Focus on interpretation and application of nutrition research.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 329 Health and Human Services

This course is an examination of potential solutions to human problems offered through experience with health and human services agencies and programs. Emphasis will be placed on the coordinated and integrated concepts and strategies that best meet the needs of both client and community.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 330 Theory of Health Promotion

Theory and models of health promotion necessary for planning, implementation and evaluation by health professionals in a variety of settings will be discussed. Emphasis is on research related to determinants of health behavior and health supporting environments, plus strategies and techniques used by professionals to foster human health.

**Credits: 4**

**Prerequisite:** HE 227 or HE 285 with a grade of C- or better or by instructor approval

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 333 Diet, Food Systems and Public Health

Food is at the center of many critical public health issues, from hunger to obesity, chronic disease to climate change. This course examines the interactions between food production and consumption, health, and the environment through public health and food justice lenses. It explores topics such as public health disparities and their structural causes, environmental toxins in the food system, their impact on workers and consumers, and policies that could impact these outcomes in both historical and contemporary contexts. Students will

work together to apply classroom knowledge to investigating food sovereignty/food security and health at the neighborhood level in our region (Polk, Marion, Yamhill, Linn, or Benton counties). This course includes field trips and guest lectures to complement readings, assignments, and in-class discussions.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 334 Health Disparities and Social Determinants of Health

This course will use a social ecological framework to provide a broad overview of health disparities in the U.S. and multi-level factors influencing those disparities including the role of social, environmental, institutional and cultural factors in impacting chronic disease, infectious disease, and health promotion. Attention will be focused on the patterned ways in which the health of different groups is embedded in the social, cultural, political, and economic contexts and arrangements of U.S. society.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HE 341 Environmental Health

This is an introductory environmental health course examining population growth, environmentally-linked disease, and health concerns associated with toxic substances, food quality, air pollution, water pollution, noise, solid and hazardous waste, and pesticide use. Scientific topics will be studied in a global context, and will be discussed in light of society, technological, and economic systems that impact our collective environment. Environmental issues and problems transcend geographical boundaries and academic disciplines. Therefore, students need to understand the social, economic, political issues that affect the quality and quantity of environmental resources upon which humankind depend.

**Credits: 4**

**Satisfactory Grading:** Ineligible for

# Course Descriptions

the Satisfactory/No Credit grade mode.  
**Integrating Knowledge** *Science, Technology, and Society*

## HE 343 Introduction to Health Data Analysis and Visualization

This course is an introduction to probability theory as it applies to population health science and the application of statistical inference and data analysis of publicly available health data. Topics include a quantitative study to evaluate and control health outcomes, statistical reasoning, study design, quantitative analysis and inference, statistical and epidemiological methods as well as data visualization to communicate health-related data.

**Credits: 4**

**Prerequisite:** *MTH 110 or MTH 111Z or higher with a grade of C- or better or satisfactory score on WOU's math placement test*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## HE 346 Infectious Disease and Injury Prevention

Study of infectious diseases and injuries from a public health and prevention perspective, including demographic, physiological, psychological, social, cultural, political, environmental, healthcare, and economic factors.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 348 Chronic Disease Prevention and Control

Study of the etiology of chronic diseases as a public health problem. Prevention strategies and ways to reduce the burden from chronic diseases, conditions, and risk factors will be discussed.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 351 School Health Programs Elementary

Exploration of child health status and the vital role that the elementary teacher may play in helping children acquire healthful lifestyle behaviors as they grow and develop.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 352 First Aid and CPR Instructor

Instructor training in Community CPR and First Aid leading to Instructor Certification through the National Safety Council.

**Credits: 3**

**Prerequisite:** *Each student must pass standard First Aid and CPR certification requirements at the beginning of the course*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 360 U.S. Health Care System And Health Policy

This course will focus upon the US Health Care System and health care policy from a public health perspective: including the political, social, cultural and economic issues. This class will examine relevant issues relating to health care and health policy, including: the history of health care in the US, government's role, public health's role, health payors and financing, health law and ethics, service delivery including mental health, outpatient, and long-term care services.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 362 Contemporary Health Issues

Analysis of new and emerging issues in health using an ecological model. Focus on human ecology including political, psychosocial, cultural and economic factors.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 366 Alcohol, Tobacco and Other Drugs

Examination of the historical, cultural, economic, legal, medical and health factors involved in drug use and abuse in contemporary society.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HE 367 Human Sexuality

Study of sexuality and sexual expression as essential elements of optimal health and well-being. Includes biomedical, psychosocial and cultural factors that influence human sexuality.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HE 375 Epidemiology

Evaluation of patterns and determinants of health and disease in populations. Focus on the history of epidemiology, major causes of morbidity and mortality, methods of disease occurrence, study design, association and causation and how to address public health problems using epidemiological methods

**Credits: 4**

**Prerequisite:** *MTH 110 or MTH 111Z with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 381 Mind/Body Health

Examination of evidence supporting the connection of mind, body and spirit with health status. Focus on Eastern and Western concepts and philosophies of health and wellness.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 391 Stress Management

Examination of the stress response

# Course Descriptions

and the relationship of stress management to health. Analysis and application of stress management strategies using a holistic paradigm.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 399 Special Studies

Terms and hours to be arranged.  
May be repeated for up to 16 credits.  
**Credits: 1-15**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 406 Special Individual Studies

Terms and hours to be arranged.  
Credit for HE 406 and HE 407, singly or combined, may not exceed six credit hours  
May be repeated for up to 16 credits.  
**Credits: 1-15**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 407 Seminar

Terms and hours to be arranged.  
Credit for HE 406 and 407, singly or combined, may not exceed six credit hours.  
May be repeated for up to 16 credits.  
**Credits: 1-15**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 409 Practicum

Terms and hours to be arranged.  
May be repeated for up to 16 credits.  
**Credits: 1-12**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 411 Health Communication

Analysis of the process and impact of media messages on health behavior and the development of effective messages in health promotion and education. Focus on social marketing, media advocacy and media literacy.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 412 Bullying

Examination of bullying in school and community settings from a public health perspective. Focus on predisposing factors to bullying behavior, primary prevention and evidence-based interventions.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 413 Complementary and Alternative Medicine

Examination of complementary and alternative medicine as it is known today both nationally and internationally. Special focus will be on discerning legitimate medical practices from quackery and fraud.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 415 Child and Adolescent Health

A study of the physical, emotional, social and environmental health issues affecting children. Emphasis on the impact of these health problems on learning and the role of the school in their prevention, discovery and referral for treatment.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 418 Women's Health

This course explores issues related to women, gender, and health from various interdisciplinary and theoretical perspectives. The course also explores how biological, social, cultural, economic, environmental, behavioral, and political factors influence women's health. Throughout the course, concerns including eating disorders, mental health, reproductive health, cancer, sexual violence and cardiovascular diseases will be discussed using different frameworks and will be presented in the context of a woman's life course. Methodological and ethical issues in women's health research will also be discussed.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

the Satisfactory/No Credit grade mode.

## HE 420 Healthy Relationships

Study of the important role that relationships have on one's health. Opportunities to assess, analyze and enhance personal and professional relationships using communication and conflict resolution models.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.  
**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HE 425 Current Issues in Nutrition

Critical examination of current issues and controversies in nutrition. Focus on analysis and interpretation of current nutrition research.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 426 Sports and Exercise Nutrition

Nutrition as it relates to the demands of exercise and competitive sport. Special emphasis on the differing needs of population groups and the relationship of diet and exercise to optimal health.  
**Credits: 4**  
**Prerequisite:** HE 325  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 428 Poverty and Public Health

This course examines the nature and extent of poverty in the United States, focusing on the causes and consequences of poverty, how these are complex and intersectional, and its implications for public health. The course also explores how we measured and defined poverty and how poverty conceptions are socially constructed and shaped by history. The course also examines U.S. policies and programs for low-income families, including health-related policies. It looks at how social

# Course Descriptions

policies seek to ameliorate poverty and other forms of social disadvantage. Finally, the course explores public health's role in addressing and eliminating poverty through policy and practice.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 434 Diseases

Study of modern concepts of disease, characteristics of common infectious and chronic diseases and practices and programs to prevent and control specific diseases.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 445 Best Practice in ATOD and Sexuality Education

Identification of current best practice in ATOD (alcohol, tobacco and other drugs) and sexuality education. Evaluation of curricula and present practice. Selection and modeling of effective instructional strategies.

**Credits: 4**

**Prerequisite:** *Acceptance to degree program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 448 Research Methods

Examination of health research including topics of design, methodology, and statistical analysis. Focus on interpretation of health research.

**Credits: 4**

**Prerequisite:** *HE 343 or MTH 243Z, HE 227, and HE 375 all with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 457 Migrant Health

Overview of major health and health care issues related to migrant communities in the United States. Using an ecological perspective, students will gain an understanding of the theories and realities about migration and the migration-health

relationship with a focus on migrant and seasonal farm workers in the Pacific Northwest.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 465 Global Health

Study of international health issues, policies and interventions. Exploration of relationships between political, economic, cultural, educational and demographic conditions of developing countries and the impact on health and health services.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HE 471 Program Planning

Analysis of contemporary program planning models. Instruction and practice in designing and implementing a health promotion program. Students will engage with community agencies utilizing a service learning model.

**Credits: 4**

**Prerequisite:** *HE 330 and (BI 234 and BI 235) or (BI 134 and BI 135) all with a grade of C- or better or by instructor approval*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 484 Mindfulness: The Art of Mindful Living

Interdisciplinary study of mindfulness utilizing history, psychology, philosophy, Eastern religions and education with modern application in the fields of health and medicine.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 485 Bioethics and Public Health

Review of basic ethical theories. Examination of moral principles and decisions associated with medical treatments, technologies, policies and

research.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 487 Assessment and Program Evaluation

Examination of assessment and evaluation tools and program evaluation strategies. Focus on evaluation design, methods and implementation and the communication and utilization of evaluation findings.

**Credits: 4**

**Prerequisite:** *HE 471 with a grade of C- or better or by instructor approval*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 496 School Health Programs: Methods and Materials

Development and analysis of teaching skills, resources and materials. Focus on standards-based practice and assessment within a coordinated school health program model.

**Credits: 4**

**Prerequisite:** *Acceptance to degree program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 498 Community Health Internship

Provides community health promotion students the opportunity to demonstrate current professional competencies and to enhance professional growth through integration of classroom theory with planned, supervised and practical work experiences.

**Credits: 8**

**Prerequisite:** *Public Health major, HE 487 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 499 Capstone

Demonstration of professional competencies through the development of an electronic portfolio.

**Credits: 4**

**Prerequisite:** *MTH 111Z, HE 227, BI*

# Course Descriptions

102, BI 234, BI 235, BI 236, all with a grade of C- or better, and HE 498  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HE 511 Health Communication

Analysis of the process and impact of media messages on health behavior and the development of effective messages in health promotion and education. Focus on social marketing, media advocacy and media literacy.  
**Credits: 4**

## HE 512 Bullying

Examination of bullying in school and community settings from a public health perspective. Focus on predisposing factors to bullying behavior, primary prevention and evidence-based interventions.  
**Credits: 4**

## HE 513 Complementary and Alternative Medicine

Examination of complementary and alternative medicine as it is known today both nationally and internationally. Special focus will be on discerning legitimate medical practices from quackery and fraud.  
**Credits: 4**

## HE 515 Child and Adolescent Health

A study of the physical, emotional, social and environmental health issues affecting children. Emphasis on the impact of these health problems on learning and the role of the school in their prevention, discovery and referral for treatment.  
**Credits: 4**

## HE 520 Healthy Relationships

Study of the important role that relationships have on one's health. Opportunities to assess, analyze and enhance personal and professional relationships using communication and conflict resolution models.  
**Credits: 4**

## HE 525 Current Issues in Nutrition

Critical examination of current issues and controversies in nutrition. Focus on analysis and interpretation of current nutrition research.  
**Credits: 4**

## HE 526 Sports and Exercise Nutrition

Nutrition as it relates to the demands of exercise and competitive sport. Special emphasis on the differing needs of population groups and the relationship of diet and exercise to optimal health.  
**Credits: 4**  
**Prerequisite:** HE 325

## HE 534 Diseases

Study of modern concepts of disease, characteristics of common infectious and chronic diseases and practices and programs to prevent and control specific diseases.  
**Credits: 4**

## HE 545 Best Practice in ATOD and Sexuality Education

Identification of current best practice in ATOD (alcohol, tobacco and other drugs) and sexuality education. Evaluation of curricula and present practice. Selection and modeling of effective instructional strategies.  
**Credits: 4**  
**Prerequisite:** *Acceptance to degree program or consent of instructor*

## HE 557 Migrant Health

Overview of major health and health care issues related to migrant communities in the United States. Using an ecological perspective, students will gain an understanding of the theories and realities about migration and the migration-health relationship with a focus on migrant and seasonal farm workers in the Pacific Northwest.  
**Credits: 4**

## HE 565 International Health

Study of international health issues, policies and interventions. Exploration of relationships between political, economic, cultural, educational and demographic conditions of developing countries and the impact on health and health services.  
**Credits: 4**

## HE 571 Program Planning

Analysis of contemporary program planning models. Instruction and practice in designing and implementing a health promotion program. Students will engage with community agencies utilizing a service-learning model.  
**Credits: 4**

## HE 573 Biometrics and Research Methods

Examination of health research including topics of design, methodology and statistical analysis. Focus on interpretation of health research.  
**Credits: 4**

## HE 584 Mindfulness: The Art of Mindful Living

Interdisciplinary study of mindfulness utilizing history, psychology, philosophy, Eastern religions and education with modern application in the fields of health and medicine.  
**Credits: 4**

## HE 585 Bioethics and Public Health

Review of basic ethical theories. Examination of moral principles and decisions associated with medical treatments, technologies, policies and research.  
**Credits: 4**

## HE 587 Assessment and Program Evaluation

Examination of assessment and evaluation tools and program evaluation strategies. Focus on



# Course Descriptions

evaluation design, methods and implementation and the communication and utilization of evaluation findings.

**Credits: 4**

## HE 603 Thesis

**Credits: 1-9**

## HE 606 Special Individual Studies

Terms and hours to be arranged.

**Credits: 1-9**

## HE 607 Seminar

Terms and hours to be arranged.

**Credits: 1-9**

## HE 609 Practicum

Terms and hours to be arranged.

**Credits: 1-9**

## HE 612 Advanced Topics in Health Promotion

Examination of research and practice in an identified area of study in the field of health education and promotion. Research topic varies by term.

May be repeated for up to 12 credits.

**Credits: 4**

## HCA 606 Special Individualized Studies

Topics may include at different times: strategic planning, strategic communication, or managerial decision making, healthcare informatics, data visualization, human resources in healthcare organizations, or business negotiations. May be repeated two times for credit, if content is different.

**Credits: 3**

## HCA 607 Seminar

Topics may include at different times: strategic planning, strategic communication, or managerial

decision making, healthcare informatics, data visualization, human resources in healthcare organizations, or business negotiations.

May be repeated nine times for credit, if content is different.

**Credits: 3**

## HCA 621 Healthcare Politics and Policy

This course provides an overview of the U.S. health care system and the policies that influence it. Students will become familiar with the current and ongoing debates that shape health care and health policy in the United States and the role of the federal and state governments in the health care system. Course topics will include the policymaking process, the economics of health care, the ways in which people receive and pay for health care, the major programs that make up the financing and delivery of health care as well as the challenges to the health care system.

**Credits: 3**

## HCA 622 Diversity and Ethical Leadership in Healthcare

This course examines diversity and ethics specific to healthcare, the difference between both concepts and how leaders can make unlikely decisions by bringing a variety of perspectives together to innovate. Topics include culture, groupthink, beneficence, nonlinear thinking, case studies, and discussion facilitation.

**Credits: 3**

## HCA 623 Disparities in Health Care

This course will use a social ecological framework to provide a broad overview of health disparities in the U.S. and multi-level factors influencing those disparities including the role of social, environmental, institutional and cultural factors in impacting chronic disease, infectious disease, and health promotion. Attention will be focused on the patterned ways in which the health of different groups is embedded in the social, cultural, political, and economic contexts and arrangements of U.S. society. Disparities will be discussed

relative to race/ethnicity, geography, socioeconomic position, gender, sexual orientation, disability status, migration status, age, religion and spirituality.

**Credits: 3**

## HCA 640 Quality Improvement for Healthcare Leaders

This is an integrative course designed to help leaders diagnose, measure, analyze, and lead and facilitate improvements in healthcare settings. Topics include the opportunity for and drivers of quality improvement in healthcare, the cultural challenges in healthcare settings, a review of commonly used improvement frameworks and principles (including Lean and Highly Reliable Organization), and a review of quality improvement tools and their use (including process mapping, Pareto chart, driver diagram, PDSA cycles, etc), and project implementation and sustainment. Also covered are strategies to overcome leadership challenges specific to quality improvement. Case studies are integrated throughout the content.

**Credits: 3**

## HCA 641 Issues in Rural Healthcare Management

This course will use a social ecological framework to provide a broad overview the ways Rural residents encounter barriers to healthcare that not only limit their sufficient access to health care but also to services that are necessary, appropriate, and available in a timely manner. An adequate supply of healthcare services involves more than access but also includes affordability, transportation, patient health literacy and the impact of stigma on accessing mental health and substance abuse.

**Credits: 3**

## HCA 642 Foundations of Gerontology for Healthcare Administrators

This course explores the foundations of gerontology from a multidisciplinary perspective including psychological, physiological, behavioral, cognitive,

# Course Descriptions

and social aspects of older adults' lives. Specifically, topics related to health, social support, long-term care, and chronic disease management for older adults will be covered. Emphasis will be given on how the understanding of aging and older adulthood informs health care practices and organizations.

**Credits: 3**

## HCA 643 Advanced Topics in Healthcare

Topics may include at different times: strategic planning, strategic communication, or managerial decision making, healthcare informatics, data visualization, human resources in healthcare organizations or business negotiations.

May be repeated two times for credit, if content is different.

**Credits: 3**

## HST 104 World History: The Ancient and Classical World

Explores the emergence of complex societies (civilizations) and the rise and spread of religions, political systems and economic networks with a focus on Asia, the Mediterranean Basin and the Middle East. May be taken out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## HST 105 World History: Expanding Societies

Examines the emergence of well-organized societies with distinct cultural traditions in the Americas, Asia, Europe and Africa after the ancient/classical period. May be taken out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## HST 106 World History: The Modern World

Explores the scientific, intellectual, economic, cultural and political movements that have transformed the world in the modern period in the context of imperial expansion and globalization. May be taken out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## HST 110 Detecting the Past: Critical Thinking with Historical Sources

This course enables students to gain and apply critical thinking skills by effectively analyzing, synthesizing, and evaluating diverse primary and secondary sources. Each course section will focus on particular historical themes in a given term as indicated in the schedule of courses.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## HST 201 History of the United States: Native American Cultures to Early 19th Century

Examines the origins of the United States from the early Native American cultures, through the colonial, revolutionary and early Jacksonian era. Students may take the United States history courses out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## HST 202 History of the United States: Reform and Progress

Explores most of the 19th-century and the early part of 20th-century of United States history. Begins with the reform movements of the 1800s and examines westward expansion, the

Civil War and reconstruction, industrialization and the progressive reforms. Students may take the United States history courses out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## HST 203 History of the United States: First World War to the Present

Examines the history of the United States from the first world war to the present, including the Roaring 20s, the Great Depression, World War II, the Cold War, the Civil Rights Movement and globalization. Student may take the United States history courses out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## HST 301 Introduction to Historical Research

Introduction to the research methods and writing styles of the discipline of history. Students will learn the methods of primary and secondary source analysis, how to conduct research using libraries, archives and the internet and the process for developing an effective research proposal and research paper. Course prepares students for success in upper division history classes and the Senior Seminar process. Recommended for students who have completed lower division history coursework.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 400 The Viking World

Terrorizing the locals across four continents with their swift attacks, the Vikings acquired a savage reputation in the minds and stories of their victims. Not only successful raiders, Vikings were also astute merchants, diligent farmers, skilled craftsmen, and savvy political players. Through an

# Course Descriptions

array of sources, including archaeological studies, medieval histories, and saga literature, this course examines the Viking presence in Russia, Byzantium, France, Britain, Ireland, and follows their western expansion across the North Atlantic to Iceland, Greenland, and North America. It considers Norse worldviews, literature, and artistic expressions, traces their transition from paganism to Christianity, unravels their political organizations, and delves into daily life and culture in medieval Scandinavia itself. Throughout the course, we will analyze how the Vikings have been (mis)understood and (mis)represented throughout the centuries, and will gain an understanding of how our knowledge of the Vikings is produced.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 402 Reading and Conference

Designed for individual or special studies in a limited area of interest. Guided reading or study in issues, methods, or sources. Terms, hours, and topics to be arranged with designated History faculty. May be repeated for up to 6 credits.

**Credits: 1-6**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 403 Practicum

Students will be placed with private and/or governmental agencies where they will work as a historian and become familiar with the requirements and the possibilities of applying their skills in the public sector.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 404 Gender Issues in History, I

In this first course in the sequence students will consider the history of women, men and gender relations to

the 19th century.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 405 Gender Issues in History, II

Second course in the sequence. Students will consider the history of women, men and gender relations in the 19th and 20th centuries.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 406 Archival Science

An introduction to the methods and philosophy of conserving and collecting archival records and professional standards of organizing, indexing and controlling access to printed materials of historical significance.

May be repeated for up to 8 credits.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 407 Seminar

Special seminar topic offerings in the history discipline.

May be repeated for up to 16 credits.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 408 Oral History

An introduction to the methods and philosophy of conducting and developing oral interviews with primary actors as a source for historical research and analysis.

May be repeated for up to 8 credits.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 410 Introduction to Public History

Review of the special skills of the historian's craft. Then students are introduced to the sectors of public history such as business-related opportunities, government service, archival and museum work and historical editing.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 411 World Problems

Selected historical issues that are both contemporary and significant. Attention given to the political, economic and social aspects of these global issues.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 412 Yugoslavia: From Experiment to Collapse

Course examines the constructive and destructive components of the Yugoslav experiment. Students will explore the intellectual origins of Yugoslavism and the formation of the first Yugoslav state after the first world war.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 413 Dissent and Opposition in East Europe

Study of the emergence and nature of political opposition and dissent in east-central Europe from 1945 to the revolutions in 1989. Course explores how playwrights, poets, pacifists, novelists and filmmakers challenged the Communist-led governments in the Soviet bloc and formed social movements to promote human rights, environmental protection and religious and artistic freedom.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## HST 414 British History to 1300

First of a two-course sequence that explores the history of Britain from its dim prehistoric beginning to the 18th century. Course investigates the Celtic, Roman, Christian, Anglo-Saxon, Viking, Norman and Plantagenet influences that together created complex identities and shaped the religious and political institutions that affected the daily lives of people in the British Isles. Also considers England's relationships with Ireland, Scotland and Wales, as well as with the wider medieval world. May be taken out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 415 British History to the 18th Century

Second of a two-course sequence that explores the history of Britain from its dim prehistoric beginnings to the 18th century. Provides critical analysis of the evolving British society and culture during the crises of famine, plague and war of the late Middle Ages. Explores the early modern transformations of religious practices, government and identity during the Tudor and Stuart dynasties. Considers the contributions of Ireland, Scotland and Wales, concluding with the creation of the United Kingdom. May take British History courses out of sequence.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 417 Topics in African American History

This course examines major topics in African American History. Course may be repeated for credit if content is different.

May be repeated one time.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 418 The Reformation

A close look at the origins and development of the Protestant Reformation in Europe from the 14th through the 15th and 16th centuries and the relationship between the Reformation and the rise of nation states. The religious wars of the 16th and 17th centuries and the Catholic Reformation will also be examined.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 419 Early Modern Europe

Movements and events of the 17th and 18th centuries; the Enlightenment; the Old Regime; the classical age in art, architecture and literature; the development of modern science, society and nation states.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 420 Philosophies of History

The evolution of the discipline of history as portrayed through the writings of the major historians.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 422 Germany: The 19th Century

A survey of the key issues influencing the construction and early history of a unified German state founded under Prussian dominance in 1871. The changing faces of liberalism, nationalism, conservatism and socialism will be analyzed, as they evolved after the aborted revolution of 1848 up to the outbreak of World War I.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 423 Germany 1914 to 1945

A survey of the nature and evolution of German society, culture and politics with an emphasis on World War I, the

Revolution of 1918-1919, the Weimar Republic and the Nazi state.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 424 Postwar German History

Beginning with the post-World War II division of Germany, the politics and economics of East Germany, the remarkable economic recovery starting in the 1950s and the impact of new social movements of the 1960s, 1970s and 1980s in the West are some key developments that will receive prominent attention.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 425 Modern France: Revolution and Napoleon

The structure of the Ancient Regime, its demolition by the Revolution, the anatomy and the achievements of the Revolution and its transformation by Napoleon.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 426 Modern France: 19th Century

The political, economic and social development of France in the 19th century, its changing governments and its attempts to achieve the ideals of liberty, equality and fraternity, which had been set forth in its 1789 revolution; its changing international position.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 427 Modern France: 20th Century

France in two world wars with an

# Course Descriptions

interwar depression and the rise of Nazi Germany; her developments and readjustments since 1945.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 428 19th-Century Europe

Europe from the Congress of Vienna to the Treaty of Versailles, including the rise of liberalism, conservatism, nationalism, socialism, industrialism, imperialism, irrationalism and militarism culminating in World War I.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 429 20th-Century Europe: From World Wars to Cold War

Crisis in European diplomacy resulting in World War I drifting into totalitarianism to World War II in the first half of the century and subsiding into Cold War between the two super powers during the second half.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 430 20th-Century Europe: Postwar Period

Problems of reconstruction in postwar Europe; the birth and demise of the Cold War; disintegration of Communist Europe and its aftermath; European intellectual culture in the second half of the 20th century.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 431 Russia to Peter the Great

Examines the history of Russia from the Kievan Rus state to the reforms of Peter the Great. Particular attention is given to the Mongol conquest and the subsequent rise of Moscow and a universal service state.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 432 Imperial Russia

An examination of Russian history from the formation of the imperial state in the 18th century to the first world war. Focal points of will be the various attempts from above and below to reform and modernize this state.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 433 Soviet Russia

Study of the history and culture of Soviet Russia from the Bolshevik revolution to its collapse in 1991.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 434 Mediterranean Worlds

Examines the history of the Mediterranean in the 18th and 19th centuries with an emphasis on the decline of Ottoman influence and the rise of European power in the region. Course focuses on the relationship between the Northern and Southern Mediterranean, as well as the Western and Eastern Mediterranean and compares experiences on different sides of the Mediterranean.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 435 Mediterranean Worlds

Examines the history of the Mediterranean in the 20th century with an emphasis on the decline of empires and the rise of nation-states in the regions, cultures and countries of each of these continents.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 436 History of Modern Paris

Examines the development of Paris from the beginnings through the present with emphasis on the last three centuries. The city is examined

from the political, social, ecological and architectural points of view as well as through the perspective of urban planning and immigration.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 437 World War II in Film

Course will examine films from and of the second world war in order to analyze the history, interpretation and reinterpretation of the war.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 438 European Imperialisms

Course covers Modern European imperialisms in the 19th and 20th centuries. We will pay particular attention to the role of European Imperial Era in shaping our world today and analyze parallels between global conflicts today and in the 19th and 20th centuries.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 439 Colonial Cultures

Examines popular spectacles of Empire in film, art, expositions, advertisements, literature and newspapers in modern Europe with an emphasis on Great Britain and France. Analyzes the connections between European identities and representations of the colonies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 440 Gender and Colonialism

Examines the relationship between gender and colonialism in the modern era. We will analyze the ways in which gendered ideologies shaped colonial

# Course Descriptions

interactions and the influence of colonialism on the development of gender norms in colonized and colonizing societies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 441 Decolonization and its Aftermath

Examines decolonization in former European colonies in the modern era and introduces students to post-colonial theories. Will analyze different types of decolonization movements and the lingering effects of colonialism and decolonization on post-colonial societies around the world.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 442 America and the Middle East

Examines the history and effects of U.S. policies and intervention in the Middle East in the 20th and 21st centuries.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 443 Jewish North Africa

Examines the history and historiography of Jewish North Africa with an emphasis on the modern era.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 444 Colonial North Africa

Course analyzes the history of North Africa from the French conquest of Algeria in 1830 to decolonization in the 1960s.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 445 Postcolonial North Africa

Examines postcolonial North Africa from the Battle of Algiers to the Arab Spring. We will analyze the transition from colonial to independent regimes and will begin with the anticolonial revolutionary movements that led to independence from Europe in the 1950s and 60s. Will conclude by tracing the events that formed the Arab Spring.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 446 Pandemics and Crises in Latin America

A study of pandemics and crises, including natural disasters and their social, political and economic impact, in Latin America since pre-colonial times until present days.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## HST 447 The Early Middle Ages

A study of the origins and early development of medieval European culture and institutions, 450- 850 AD, focusing particularly on the Greco-Roman cultural heritage, the role of the Christian church and the contribution of the Germanic tribes.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 448 The High Middle Ages

A study of Europe, 850-1200 AD, focusing on the economic, political, social, religious and intellectual revival of the 9th and 12th centuries and culminating in the crusading movement of the 12th century.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global*

*Awareness*

## HST 449 The Late Middle Ages

Examining the crisis of medieval society in the 14th century and the impact of the Hundred Years' War.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 450 Crime and Society in Latin America

Study of the social transformations in Latin America through the prosecution and criminalization of certain behaviors and the role of the state in preserving status quo through the criminal legislation. This course includes public and private matters such as rebellion, illegal trade, and corruption, as well as controlled sexual and family relations, among others.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 451 The Crusades

Focuses on the religious and cultural inspiration for the crusading movement as well as its impact in the Middle East and its legacy both in the medieval and modern worlds.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 452 Women and Family in the Middle Ages

Examines the position of women and the family in the Medieval period through the medium of artistic, archaeological and historical sources.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## HST 453 Pre-Columbian and Colonial Latin America

A survey of Latin American Indian cultures and civilizations, their discovery and conquest by the Spanish and Portuguese and the development of Iberian empires in America. Examination of the colonial systems and their cultures.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 454 History of the Caribbean

The Caribbean has developed its own identity with respect to the continental mainland, marked by the coexistence of multiple races, languages and cultures from the largest islands to the lesser Antilles, and its study is essential to understand the history of the Atlantic World. This course examines the most important events that have affected this region including the indigenous demographic collapse, the African slave system, the center of operations of pirates and outlaws, the Haitian Revolution, the interventions of the United States, and the Cuban Revolution.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 455 Modern Latin America

A study of Latin America since the independence including national revolutions, political and economic problems of the new republics, militarism, industrialization, populism, social revolution, and neoliberalism, until present days.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 456 Mexico Since Independence

An overview of the Indian and Spanish background of Mexico with emphasis on 19th century liberalism, foreign intervention, the Mexican Revolution and modernization.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 457 The Cuban Revolution

The course examines the history of the Cuban Revolution including its causes since the colonial and republican periods, the events that led to its victory during the 1950s and the main political, social, legal and economic reforms under the leadership of Fidel Castro and his successors, until today. The course explores the social transformations in revolutionary Cuba, including migrations, the regional and global impact of the socialist Revolution in the context of the Cold War, and the crisis of the regime since the decade of the 1990s.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 458 History of Inter-American Relations

A diplomatic history from 1810 to the present with emphasis on relations between the United States and Latin America.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 459 Medieval Saints & Sinners: The History of the Medieval Church

During the Middle Ages, Roman Church shaped the contours of daily experiences-influencing the religious, political, social, and economic life of Europe and defining normative moral behaviors and gender roles for individuals. Nevertheless, study of the medieval Church reveals not a single, monolithic institution but considerable regional diversity in practices and beliefs. This course examines the

medieval church, broadly defined, to provide an overview of its institutional structures and hierarchical development, its medieval theology and religious instruction, the process of conversion and popular religious movements, the religious beliefs and practices among monks, nuns, and priests as well as commoners and nobles, and the influences of these beliefs on encounters with non-Christians within medieval society and in the world. This course provides essential background for anyone interested in the medieval period and a foundation for the study of religion in later periods. Course readings concentrate on primary sources from the period but also draw on recent scholarship in the field to shape our discussions and inform student research.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 460 The Black Death

This class focuses on the epidemic that swept across Europe from 1347-52, affecting all those living, regardless of social status, age, gender, or religion. This course explores the nature of the epidemic-the disease itself, its spread, the fear and speculation it caused, and its societal devastation. We will also investigate both immediate and long-term effects on medieval Europe, in terms of daily life, social interactions, treatment of minorities, and the economy. To understand how the epidemic changed western European society for both individuals and for communities, we will consider medieval psychology, scientific knowledge, spirituality, and aesthetics. Finally, we will set the medieval epidemic in its broader context, by discussing problems in studying historical plagues and by looking at more recent epidemic outbreaks, in order to understand how diseases affect human and animal survival, and how environment can be an agent for changing human history.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

# Course Descriptions

## HST 461 History of East Asia: Traditional China

To survey Chinese civilization from the earliest times to the mid-17th century, this course focuses on the aspects of history and culture that define the character of Chinese civilization.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 462 History of East Asia: Traditional Japan

A general picture of Japanese history in the hope of furthering students' understanding of present-day Japan through the study of its past.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 463 Modern East Asia

Focuses on the historical process that witnessed the modernization of the major Asian civilization of China and Japan. Attention will be given to the different paths each of these countries has taken and the different problems each has faced in the attempt to build a modern state.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 467 Modern China I: Fragmentation Reform Movements in Late Imperial China

Course discusses the clash between China and the West, and the response of China's scholars.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 468 Modern China II: The Republic of China in the 20th Century

Course explores the issues of envisioning state and society, the experiments in democracy, war and revolution, as well as political reform

and economic miracle in Taiwan.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 469 Modern China III: People's Republic of China, Confucianism and Socialism

Course examines the birth of the Chinese Communist Party and the people of democratic China and how Chinese socialism adjusted to live in the world.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 471 Women in Japanese Society

Broad survey of women's positions and status in the institutions of marriage and family; factors that altered women's conditions; and how womanhood has been defined and redefined from traditional to modern Japanese society.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 472 Women in Chinese Society

Course explores the lives of various groups of women (wife, concubines, courtesans, singer girls and maids), including their activities in public and domestic dichotomy.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 473 Popular Culture in China

A survey on Chinese culture. Included are social relationships, religions and philosophies, sciences and medicines, geomancy and cosmology, food and health, arts and cinemas from traditional to modern time period.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 474 Popular Culture in Japan

A survey on Japanese culture. Included are patterns of behavior, popular morality, philosophies and religions, folk tales, arts, music, theater, also the taste of nature shown in the daily diet, flower arrangement and gardens.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 475 Colonial America

Examines the imperial conquest and colonization of North America by European empires with an emphasis on the experiences of colonized peoples and colonizers in comparative perspective, from early contact through the emergence of revolutionary sentiment and independent republics by the early 19th century.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 477 Civil War and Reconstruction

Examines the transformations of thought and industry that challenged nationalist identities in the United States after 1850, the resulting constitutional crisis and war and efforts to reconstruct the nation and reunite its people.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 479 Challenges of Progressive Era America

Examines the visions, limits and challenges of reform in American life in the period 1890-1914.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 480 Topics in Multicultural American History

Special topics in the history of



# Course Descriptions

multicultural America.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 481 American Voices: Autobiography, Biography and Memoir in American History

Provides students with a critical foundation in the analysis of autobiography and biography as sources for the study of the American past.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 482 United States 1914-1945

Examines the history of the United States from the period 1914 to 1945 by considering internationalism and nationalism, global and regional conflicts, the economy, gender, race, ethnicity and class, and transformations in American culture and society.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 483 Cold War America

This course will examine the impact of the Cold War on Americans and American society. Students will consider such issues as national and international policy, McCarthyism, the Vietnam conflict and the military-industrial complex.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 484 Health, Medicine and Gender in Historical Perspective

This course presents three key areas of analysis for the study of health, medicine and gender in historical perspective. The first concerns gendered ideas about sexuality and

gender roles and how these relate to health care in history. The second is a comparative examination of women and men as health care providers in different cultures. The third is a focus on women and men as recipients of health care and as health care activists.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## HST 485 Race and Ethnicity in Latin America

Study of the races and ethnicities that have lived, coexisted, and mixed in Latin America since pre-colonial times until today, as well as the cultural, political, and legal consequences of their interactions. This course includes Native Americans, Europeans, Africans, and Asians.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 486 Chicano/a History

A history of people of Mexican descent in the United States with emphasis on the origins of their constitutional status as citizens of the United States.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 487 Canada to Confederation -1867

Examines the history of Canada from the pre-contact era through confederation in 1867 with attention to nationalist trends at the provincial and regional levels and with particular emphasis on comparative colonial cultures within the region of North America now included as part of Canada.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 488 Canada Since Confederation

Examines the history of modern Canada from confederation (1867) through the present with attention to nationalist trends at the provincial and regional levels and federal efforts to secure a sense of Canadian nationalism, in the context of counter national movements and interpretive themes of particular relevance in the study of comparative North American cultures, including First Nations movement and immigration trends of the late 19th and 20th centuries.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 489 Environmental History

Examines the history of ecological transformations associated with historical patterns of community organization, population movements, agricultural production, scientific inquiry, industrial development, urban growth and systems of trade and commerce from ancient times to the present.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 490 Wests of Early America

An exploration of the origins, traditions and interactions of people living in the North American West from the pre-contact era through the late 19th century with particular attention to comparative colonial experiences and the integration of the region into the industrial, political and social frameworks of the United States and British North America (Canada) as developing imperial systems.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 491 Western U.S.: 20th Century Issues

Examines the transformation of the trans-Mississippi West in the 20th century with particular attention to market networks, community traditions and historical myths that have shaped

# Course Descriptions

the ways in which people who lived in the West viewed themselves in relation to their surroundings.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 492 Pacific Northwest History

Explores emerging traditions of community and government in the Pacific Northwest. Begins with a survey of pre-contact communities and the ecological and human implications of evolving modes of production as they relate to local community traditions and various incarnations of imperial power, immigration and industry through the late 20th century.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 493 Women in Oregon History

Connects students with primary and secondary sources to analyze the history of women in Oregon. Students will consider gender as a category of analysis in assessing the history of Oregon women from native peoples through the present with attention to differences in race, ethnicity, class and gender identity and across regions in the state.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 494 North American Constitutional History

Comparative study of constitutional history in Canada and the United States, with attention to colonial North America and emerging nationalist movements in the United States and Canada. Explores the evolving concepts of constitutional law and constitutional theory at the state, provincial and national levels.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 495 Arab World in Transition

A critical examination of major transformations in the Arab World from the colonial era to the present day. The course focuses on the political, social, and cultural reforms, revolts, revolutions, and resistances that have shaped the Arab World.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 496 Empire and Environment

Examines the ways in which colonial empires impacted the environment of conquered lands and the influence of the environment on colonial policies.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## HST 497 History of Fascism

This course will examine the historical origins, evolution, and global history of fascist movements. It will examine the origins and transformation of fascist thought and organizations, the role of fascism in the Second World War, and the rise of neo-fascist movements.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## HST 498 Special Studies

Provides a means by which students may earn upper division credit for research, writing, reporting, discussion and career-related and/or participatory skills.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 499 Senior Seminar

The Senior Seminar is required of all history majors. In consultation with history faculty, students will develop a research project or complete an internship or practicum. Through their work in the senior seminar, students will demonstrate historical research and writing skills for the internship or thesis option. Students will need to complete HST 499 with a C- or higher for the history degree.

**Credits: 4**

**Prerequisite:** *HST 420C with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## HST 502 Reading and Conference

**Credits: 1-6**

## HST 503 Practicum

Students will be placed with private and/or governmental agencies where they will work as a historian and become familiar with the requirements and the possibilities of applying their skills in the public sector.

Eligible for the RP grade option.

**Credits: 1-6**

## HST 504 Gender Issues in History, I

In this first course in the sequence students will consider the history of women, men and gender relations to the 19th century.

**Credits: 4**

## HST 505 Gender Issues in History, II

Second course in the sequence. Students will consider the history of women, men and gender relations in the 19th and 20th centuries.

**Credits: 4**

## HST 506 Archival Science

An introduction to the methods and philosophy of conserving and

# Course Descriptions

collecting archival records and professional standards of organizing, indexing and controlling access to printed materials of historical significance.

May be repeated for up to 8 credits.

**Credits: 4**

## HST 507 Seminar

Special seminar topic offerings in the history discipline.

May be repeated for up to 16 credits.

**Credits: 4**

## HST 508 Oral History

An introduction to the methods and philosophy of conducting and developing oral interviews with primary actors as a source for historical research and analysis.

**Credits: 4**

## HST 510 Introduction to Public History

Review of the special skills of the historian's craft. Then students are introduced to the sectors of public history such as business-related opportunities, government service, archival and museum work and historical editing.

**Credits: 4**

## HST 511 World Problems

Selected historical issues that are both contemporary and significant. Attention given to the political, economic and social aspects of these global issues.

**Credits: 4**

## HST 512 Yugoslavia: From Experiment to Collapse

Course examines the constructive and destructive components of the Yugoslav experiment. Students will explore the intellectual origins of Yugoslavism and the formation of the first Yugoslav state after the first world war.

**Credits: 4**

## HST 514 British History to 1300

First of a two-course sequence that explores the history of Britain from its dim prehistoric beginning to the 18th century. Course investigates the Celtic, Roman, Christian, Anglo-Saxon, Viking, Norman and Plantagenet influences that together created complex identities and shaped the religious and political institutions that affected the daily lives of people in the British Isles. Also considers England's relationships with Ireland, Scotland and Wales, as well as with the wider medieval world. May be taken out of sequence.

**Credits: 4**

## HST 515 British History to the 18th Century

Second of a two-course sequence that explores the history of Britain from its dim prehistoric beginnings to the 18th century. Provides critical analysis of the evolving British society and culture during the crises of famine, plague and war of the late Middle Ages. Explores the early modern transformations of religious practices, government and identity during the Tudor and Stuart dynasties. Considers the contributions of Ireland, Scotland and Wales, concluding with the creation of the United Kingdom. May take British History courses out of sequence.

**Credits: 4**

## HST 517 Topics in African American History

This course examines major topics in African American History. Course may be repeated for credit if content is different.

May be repeated one time.

**Credits: 4**

## HST 518 The Reformation

A close look at the origins and development of the Protestant Reformation in Europe from the 14th through the 15th and 16th centuries and the relationship between the Reformation and the rise of nation states. The religious wars of the 16th and 17th centuries and the Catholic

Reformation will also be examined.

**Credits: 4**

## HST 519 Early Modern Europe

Movements and events of the 17th and 18th centuries; the Enlightenment; the Old Regime; the classical age in art, architecture and literature; the development of modern science, society and nation states.

**Credits: 4**

## HST 520 Philosophies of History

The evolution of the discipline of history as portrayed through the writings of the major historians.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

## HST 522 Germany: The 19th Century

A survey of the key issues influencing the construction and early history of a unified German state founded under Prussian dominance in 1871. The changing faces of liberalism, nationalism, conservatism and socialism will be analyzed, as they evolved after the aborted revolution of 1848 up to the outbreak of World War I.

**Credits: 4**

## HST 523 Germany 1914 to 1945

A survey of the nature and evolution of German society, culture and politics with an emphasis on World War I, the Revolution of 1918-1919, the Weimar Republic and the Nazi state.

**Credits: 4**

## HST 524 Postwar German History

Beginning with the post-World War II division of Germany, the politics and economics of East Germany, the remarkable economic recovery starting in the 1950s and the impact of new social movements of the 1960s, 1970s and 1980s in the West are some key developments that will receive prominent attention.

**Credits: 4**

# Course Descriptions

## **HST 525 Modern France: Revolution and Napoleon**

The structure of the Ancient Regime, its demolition by the Revolution, the anatomy and the achievements of the Revolution and its transformation by Napoleon.

**Credits: 4**

## **HST 526 Modern France: 19th Century**

The political, economic and social development of France in the 19th century, its changing governments and its attempts to achieve the ideals of liberty, equality and fraternity, which had been set forth in its 1789 revolution; its changing international position.

**Credits: 4**

## **HST 527 Modern France: 20th Century**

France in two world wars with an interwar depression and the rise of Nazi Germany; her developments and readjustments since 1945.

**Credits: 4**

## **HST 528 19th-Century Europe**

Europe from the Congress of Vienna to the Treaty of Versailles, including the rise of liberalism, conservatism, nationalism, socialism, industrialism, imperialism, irrationalism and militarism culminating in World War I.

**Credits: 4**

## **HST 529 20th-Century Europe: From World Wars to Cold War**

Crisis in European diplomacy resulting in World War I drifting into totalitarianism to World War II in the first half of the century and subsiding into Cold War between the two super powers during the second half.

**Credits: 4**

## **HST 530 20th-Century Europe: Postwar Period**

Problems of reconstruction in postwar

Europe; the birth and demise of the Cold War; disintegration of Communist Europe and its aftermath; European intellectual culture in the second half of the 20th century.

**Credits: 4**

## **HST 531 Russia to Peter the Great**

Examines the history of Russia from the Kievan Rus state to the reforms of Peter the Great. Particular attention is given to the Mongol conquest and the subsequent rise of Moscow and a universal service state.

**Credits: 4**

## **HST 532 Imperial Russia**

An examination of Russian history from the formation of the imperial state in the 18th century to the first world war. Focal points of will be the various attempts from above and below to reform and modernize this state.

**Credits: 4**

## **HST 533 Soviet Russia**

Study of the history and culture of Soviet Russia from the Bolshevik revolution to its collapse in 1991.

**Credits: 4**

## **HST 534 Mediterranean Worlds**

Examines the history of the Mediterranean in the 18th and 19th centuries with an emphasis on the decline of Ottoman influence and the rise of European power in the region. Course focuses on the relationship between the Northern and Southern Mediterranean, as well as the Western and Eastern Mediterranean and compares experiences on different sides of the Mediterranean.

**Credits: 4**

## **HST 535 Mediterranean Worlds**

Examines the history of the Mediterranean in the 20th century with an emphasis on the decline of empires and the rise of nation-states in the regions, cultures and countries of each

of these continents.

**Credits: 4**

## **HST 536 History of Modern Paris**

Examines the development of Paris from the beginnings through the present with emphasis on the last three centuries. The city is examined from the political, social, ecological and architectural points of view as well as through the perspective of urban planning and immigration.

**Credits: 4**

## **HST 537 World War II in Film**

Course will examine films from and of the second world war in order to analyze the history, interpretation and reinterpretation of the war.

**Credits: 4**

## **HST 538 European Imperialisms**

Course covers Modern European imperialisms in the 19th and 20th centuries. We will pay particular attention to the role of European Imperial Era in shaping our world today and analyze parallels between global conflicts today and in the 19th and 20th centuries.

**Credits: 4**

## **HST 539 Colonial Cultures**

Examines popular spectacles of Empire in film, art, expositions, advertisements, literature and newspapers in modern Europe with an emphasis on Great Britain and France. Analyzes the connections between European identities and representations of the colonies.

**Credits: 4**

## **HST 540 Gender and Colonialism**

Examines the relationship between gender and colonialism in the modern era. We will analyze the ways in which gendered ideologies shaped colonial interactions and the influence of colonialism on the development of gender norms in colonized and

# Course Descriptions

colonizing societies.

**Credits: 4**

## **HST 541 Decolonization and its Aftermath**

Examines decolonization in former European colonies in the modern era and introduces students to post-colonial theories. Will analyze different types of decolonization movements and the lingering effects of colonialism and decolonization on post-colonial societies around the world.

**Credits: 4**

## **HST 542 America and the Middle East**

Examines the history and effects of U.S. policies and intervention in the Middle East in the 20th and 21st centuries.

**Credits: 4**

## **HST 543 Jewish North Africa**

Examines the history and historiography of Jewish North Africa with an emphasis on the modern era.

**Credits: 4**

## **HST 544 Colonial North Africa**

Course analyzes the history of North Africa from the French conquest of Algeria in 1830 to decolonization in the 1960s.

**Credits: 4**

## **HST 545 Postcolonial North Africa**

Examines postcolonial North Africa from the Battle of Algiers to the Arab Spring. We will analyze the transition from colonial to independent regimes and will begin with the anticolonial revolutionary movements that led to independence from Europe in the 1950s and 60s. Will conclude by tracing the events that formed the Arab Spring.

**Credits: 4**

## **HST 546 Pandemics and Crises in Latin America**

A study of pandemics and crises, including natural disasters and their social, political and economic impact, in Latin America since pre-colonial times until present days.

**Credits: 4**

## **HST 547 The Early Middle Ages**

A study of the origins and early development of medieval European culture and institutions, 450- 850 AD, focusing particularly on the Greco-Roman cultural heritage, the role of the Christian church and the contribution of the Germanic tribes.

**Credits: 4**

## **HST 548 The High Middle Ages**

A study of Europe, 850-1200 AD, focusing on the economic, political, social, religious and intellectual revival of the 9th and 12th centuries and culminating in the crusading movement of the 12th century.

**Credits: 4**

## **HST 549 The Late Middle Ages**

Examining the crisis of medieval society in the 14th century and the impact of the Hundred Years' War.

**Credits: 4**

## **HST 550 Crime and Society in Latin America**

Study of the social transformations in Latin America through the prosecution and criminalization of certain behaviors and the role of the state in preserving the status quo through criminal legislation. This course includes public and private matters such as rebellion, illegal trade, and corruption, as well as controlled sexual and family relations, among others.

**Credits: 4**

## **HST 551 The Crusades**

Focuses on the religious and cultural inspiration for the crusading movement as well as its impact in the Middle East

and its legacy both in the medieval and modern worlds.

**Credits: 4**

## **HST 552 Women and Family in the Middle Ages**

Examines the position of women and the family in the Medieval period through the medium of artistic, archaeological and historical sources.

**Credits: 4**

## **HST 553 Pre-Columbian and Colonial Latin America**

A survey of Latin American Indian cultures and civilizations, their discovery and conquest by the Spanish and Portuguese and the development of Iberian empires in America. Examination of the colonial systems and their cultures.

**Credits: 4**

## **HST 554 History of the Caribbean**

The Caribbean has developed its own identity with respect to the continental mainland, marked by the coexistence of multiple races, languages and cultures from the largest islands to the lesser Antilles, and its study is essential to understand the history of the Atlantic World. This course examines the most important events that have affected this region including the indigenous demographic collapse, the African slave system, the center of operations of pirates and outlaws, the Haitian Revolution, the interventions of the United States, and the Cuban Revolution.

**Credits: 4**

## **HST 555 Modern Latin America**

A study of Latin America since the independence including national revolutions, political and economic problems of the new republics, militarism, industrialization, populism, social revolution, and neoliberalism, until present days.

**Credits: 4**

# Course Descriptions

## **HST 556 Mexico Since Independence**

An overview of the Indian and Spanish background of Mexico with emphasis on 19th century liberalism, foreign intervention, the Mexican Revolution and modernization.

**Credits: 4**

## **HST 557 The Cuban Revolution**

The course examines the history of the Cuban Revolution including its causes since the colonial and republican periods, the events that led to its victory during the 1950s and the main political, social, legal and economic reforms under the leadership of Fidel Castro and his successors, until today. The course explores the social transformations in revolutionary Cuba, including migrations, the regional and global impact of

the socialist Revolution in the context of the Cold War, and the crisis of the regime since the decade of the 1990s.

**Credits: 4**

## **HST 558 History of Inter-American Relations**

A diplomatic history from 1810 to the present with emphasis on relations between the United States and Latin America.

**Credits: 4**

## **HST 561 History of East Asia: Traditional China**

To survey Chinese civilization from the earliest times to the mid-17th century, this course focuses on the aspects of history and culture that define the character of Chinese civilization.

**Credits: 4**

## **HST 562 History of East Asia: Traditional Japan**

A general picture of Japanese history in the hope of furthering students' understanding of present-day Japan through the study of its past.

**Credits: 4**

## **HST 563 Modern East Asia**

Focuses on the historical process that witnessed the modernization of the major Asian civilization of China and Japan. Attention will be given to the different paths each of these countries has taken and the different problems each has faced in the attempt to build a modern state.

**Credits: 4**

## **HST 567 Modern China I: Fragmentation Reform Movements in Late Imperial China**

Course discusses the clash between China and the West, and the response of China's scholars.

**Credits: 4**

## **HST 568 Modern China II: The Republic of China in the 20th Century**

Course explores the issues of envisioning state and society, the experiments in democracy, war and revolution, as well as political reform and economic miracle in Taiwan.

**Credits: 4**

## **HST 569 Modern China III: People's Republic of China, Confucianism and Socialism**

Course examines the birth of the Chinese Communist Party and the people of democratic China and how Chinese socialism adjusted to live in the world.

**Credits: 4**

## **HST 571 Women in Japanese Society**

Broad survey of women's positions and status in the institutions of marriage and family; factors that altered women's conditions; and how womanhood has been defined and redefined from traditional to modern Japanese society.

**Credits: 4**

## **HST 572 Women in Chinese Society**

Course explores the lives of various groups of women (wife, concubines, courtesans, singer girls and maids), including their activities in public and domestic dichotomy.

**Credits: 4**

## **HST 573 Popular Culture in China**

A survey on Chinese culture. Included are social relationships, religions and philosophies, sciences and medicines, geomancy and cosmology, food and health, arts and cinemas from traditional to modern time period.

**Credits: 4**

## **HST 574 Popular Culture in Japan**

A survey on Japanese culture. Included are patterns of behavior, popular morality, philosophies and religions, folk tales, arts, music, theater, also the taste of nature shown in the daily diet, flower arrangement and gardens.

**Credits: 4**

## **HST 575 Colonial America**

Examines the imperial conquest and colonization of North America by European empires with an emphasis on the experiences of colonized peoples and colonizers in comparative perspective, from early contact through the emergence of revolutionary sentiment and independent republics by the early 19th century.

**Credits: 4**

## **HST 577 Civil War and Reconstruction**

Examines the transformations of thought and industry that challenged nationalist identities in the United States after 1850, the resulting constitutional crisis and war and efforts to reconstruct the nation and reunite its people.

**Credits: 4**

# Course Descriptions

## **HST 579 Challenges of Progressive Era America**

Examines the visions, limits and challenges of reform in American life in the period 1890-1914.

**Credits: 4**

## **HST 580 Topics in Multicultural American History**

Special topics in the history of multicultural America.

May be repeated once for credit, if content is different.

**Credits: 4**

## **HST 581 American Voices: Autobiography, Biography and Memoir in American History**

Provides students with a critical foundation in the analysis of autobiography and biography as sources for the study of the American past.

**Credits: 4**

## **HST 582 United States 1914-1945**

Examines the history of the United States from the period 1914 to 1945 by considering internationalism and nationalism, global and regional conflicts, the economy, gender, race, ethnicity and class, and transformations in American culture and society.

**Credits: 4**

## **HST 583 Cold War America**

This course will examine the impact of the Cold War on Americans and American society. Students will consider such issues as national and international policy, McCarthyism, the Vietnam conflict and the military-industrial complex.

**Credits: 4**

## **HST 584 Health, Medicine and Gender in Historical Perspective**

This course presents three key areas

of analysis for the study of health, medicine and gender in historical perspective. The first concerns gendered ideas about sexuality and gender roles and how these relate to health care in history. The second is a comparative examination of women and men as health care providers in different cultures. The third is a focus on women and men as recipients of health care and as health care activists.

**Credits: 4**

## **HST 585 Race and Ethnicity in Latin America**

Study of the races and ethnicities that have lived, coexisted, and mixed in Latin America since pre-colonial times until today, as well as the cultural, political, and legal consequences of their interactions. This course includes Native Americans, Europeans, Africans, and Asians.

**Credits: 4**

## **HST 586 Chicano/a History**

A history of people of Mexican descent in the United States with emphasis on the origins of their constitutional status as citizens of the United States.

**Credits: 4**

## **HST 587 Canada to Confederation -1867**

Examines the history of Canada from the pre-contact era through confederation in 1867 with attention to nationalist trends at the provincial and regional levels and with particular emphasis on comparative colonial cultures within the region of North America now included as part of Canada.

**Credits: 4**

## **HST 588 Canada Since Confederation**

Examines the history of modern Canada from confederation (1867) through the present with attention to nationalist trends at the provincial and regional levels and federal efforts to secure a sense of Canadian nationalism, in the context of counter

national movements and interpretive themes of particular relevance in the study of comparative North American cultures, including First Nations movement and immigration trends of the late 19th and 20th centuries.

**Credits: 4**

## **HST 589 Environmental History**

Examines the history of ecological transformations associated with historical patterns of community organization, population movements, agricultural production, scientific inquiry, industrial development, urban growth and systems of trade and commerce from ancient times to the present.

**Credits: 4**

## **HST 590 Wests of Early America**

An exploration of the origins, traditions and interactions of people living in the North American West from the pre-contact era through the late 19th century with particular attention to comparative colonial experiences and the integration of the region into the industrial, political and social frameworks of the United States and British North America (Canada) as developing imperial systems.

**Credits: 4**

## **HST 591 Western U.S.: 20th Century Issues**

Examines the transformation of the trans-Mississippi West in the 20th century with particular attention to market networks, community traditions and historical myths that have shaped the ways in which people who lived in the West viewed themselves in relation to their surroundings.

**Credits: 4**

## **HST 592 Pacific Northwest History**

Explores emerging traditions of community and government in the Pacific Northwest. Begins with a survey of pre-contact communities and the ecological and human implications of evolving modes of production as they relate to local community

# Course Descriptions

traditions and various incarnations of imperial power, immigration and industry through the late 20th century.

**Credits: 4**

## **HST 593 Women in Oregon History**

Connects students with primary and secondary sources to analyze the history of women in Oregon. Students will consider gender as a category of analysis in assessing the history of Oregon women from native peoples through the present with attention to differences in race, ethnicity, class and gender identity and across regions in the state.

**Credits: 4**

## **HST 594 North American Constitutional History**

Comparative study of constitutional history in Canada and the United States, with attention to colonial North America and emerging nationalist movements in the United States and Canada. Explores the evolving concepts of constitutional law and constitutional theory at the state, provincial and national levels.

**Credits: 4**

## **HST 595 Arab World in Transition**

A critical examination of major transformations in the Arab World from the colonial era to the present day. The course focuses on the political, social, and cultural reforms, revolts, revolutions, and resistances that have shaped the Arab World.

**Credits: 4**

## **HST 596 Empire and Environment**

Examines the ways in which colonial empires impacted the environment of conquered lands and the influence of the environment on colonial policies.

**Credits: 4**

## **HST 597 History of Fascism**

This course will examine the historical

origins, evolution, and global history of fascist movements. It will examine the origins and transformation of fascist thought and organizations, the role of fascism in the Second World War, and the rise of neo-fascist movements.

**Credits: 4**

## **HST 598 Special Studies**

Provides a means by which students may earn upper division credit for research, writing, reporting, discussion and career-related and/or participatory skills.

**Credits: 1-6**

## **HST 600 Seminar**

Topics selected by the instructor.

**Credits: 4**

## **HST 601 Research**

Terms and hours to be arranged.

**Credits: 1-6**

## **HST 605 Reading and Conference**

Terms and hours to be arranged.

**Credits: 1-6**

## **HST 609 Practicum**

Terms and hours to be arranged.

**Credits: 1-9**

## **HST 610 Europe: Topic**

Reading, discussion and research of the historical literature relevant to Europe.

**Credits: 4**

## **HST 620 Asia/Latin America: Topic**

Reading, discussion and research of the historical literature relevant to Asia/Latin America.

**Credits: 4**

## **HST 625 Asia: Topic**

Reading, discussion and research of the historical literature relevant to Asia.

**Credits: 4**

## **HST 630 North America: Topic**

Reading, discussion and research of the historical literature relevant to the United States.

**Credits: 4**

## **HST 698 Methods, Research and Writing**

Introduction to the methodologies of historical research and writing.

**Credits: 5**

## **H 101 Freshman Honors**

Supplementary enriching work related to a regular course taken simultaneously is guided by an instructor during weekly meetings. Students and work are subject to approval by the Honors Committee.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **H 201 Sophomore Honors**

Supplementary enriching work related to a regular course taken simultaneously is guided by an instructor during weekly meetings. Students and work are subject to approval by the Honors Committee.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **H 303 Thesis Orientation**

Orientation to the Honors Thesis/Senior Project, including completion of thesis proposal. Enrollment limited to students in Honors Programs.

Eligible for the RP grade option.

**Credits: 1-2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.



# Course Descriptions

## H 353 Thesis Development

Introductory, developmental work related to the Honors thesis/senior project, including literature review, time line and outline. Enrollment limited to students in the Honors Program.

**Credits: 1-2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## H 401 Senior Honors

Individual research and original writing in approved areas of work. Enrollment limited to students in Honors Program with approval of Honors director. May be repeated for up to 6 credits.

**Credits: 2-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## H 403 Honors Thesis/Senior Project

Individual research and original writing related to the Honors thesis/senior project. Enrollment limited to students in Honors Program.

May be repeated for up to 6 credits. Eligible for the RP grade option.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## H 407 Honors Seminar

May be repeated for up to 16 credits.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 100 Honors Health/Wellness

Part of the Honors Core curriculum, Honors Health/Wellness is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 105 Honors History

Part of the Honors Core curriculum,

Honors History is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 120 Honors Ethics

Part of the Honors Core curriculum, Honors Ethics is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 136 Honors Rhetoric

Part of the Honors Core curriculum, Honors Rhetoric is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 153 Honors Literature

Part of the Honors Core curriculum, Honors Literature is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 171 Honors Theater

Part of the Honors Core curriculum, Honors Theater is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 190 Honors Creative Arts

Part of the Honors Core curriculum, Honors Creative Arts is a rotating special topics course offered exclusively for students in the Honors

Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 210 Honors Biology

Part of the Honors Core curriculum, Honors Biology is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 4-5**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 231 Honors Earth Science

Part of the Honors Core curriculum, Honors Earth Science is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 4-5**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 253 Honors Computer Science

Part of the Honors Core curriculum, Honors Computer Science is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 276 Honors Mathematics

Part of the Honors Core curriculum, Honors Mathematics is a rotating special topics course offered exclusively for students in the Honors Program.

May be repeated twice for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 300 Exploratory Honors

Part of the revised Honors curriculum, Exploratory Honors is a

# Course Descriptions

rotating special topics course offered exclusively for students in the Honors Program. Students must complete four Exploratory Honors courses in three different subject areas.

May be repeated five times for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 325 Honors Thesis Orientation

Since it became required in 1989, the Honors Thesis/Senior Project has been the culmination of each Honors student's course of undergraduate study. It represents a significant individual endeavor that can be either creative, scholarly, pedagogical, scientific, or service-oriented. Honors Thesis Orientation is offered exclusively for students in the Honors Program.

May be repeated twice for credit.

Eligible for the RP grade option.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 351 Honors Thesis Development

Honors Thesis Development builds on the work begun in the Honors Thesis Orientation class. In this second course, students begin work on the planning and organization of their thesis/senior project. They also learn about the rationale for, and purpose of, a literature review and begin writing at least one important section of their thesis/senior project.

May be repeated twice for credit.

Eligible for the RP grade option.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 378 Honors Thesis/Senior Project

Honors Thesis/Senior Project is offered exclusively for students in the Honors Program. Only one credit is required.

May be repeated six times for credit.

Pass-No Credit (P/NC) grading only.

Eligible for the RP grade option.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HNR 406 Honors Colloquium

Part of the revised Honors curriculum, an Honors Colloquium is a rotating special topics course offered exclusively for students in the Honors Program. Students must complete two Honors Colloquia. Additional colloquia beyond two can count in the Exploratory Honors category, per Honors Director approval.

May be repeated five times for credit.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 199 Special Studies

Topics and hours to be arranged.

May be repeated for up to 6 credits, if content is different.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 325 Studies in German Culture and Literature to 1900

Focus on cultural aspects of modern Germany and Austria, their people, customs and institutions.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 328 Introduction to Latino/Chicano Literature

Introduction to texts representative of the Chicano/a literary heritage.

Sampling of genres, historical and geographical settings and perspectives, characteristic of work written by Chicano/as during the 20th century.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 340 Hispanic Culture and Civilization: Mexico

A cultural survey of Mexico from the pre-Hispanic times to the present, including history, anthropology, literature, art, geography, politics, economics and religion.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement; when conducted in English with a HUM prefix, will not count for the Spanish major*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 342 Introduction to Chicano/Latino Life and Culture

Survey of the Chicano presence in the Southwest, including art, geography, history, folklore, politics and current trends in the contemporary period. Students will acquire an understanding of experiences pertinent to Chicanos from the 1960s to the contemporary period.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement; when conducted in English with a HUM prefix, will not count for the Spanish major*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 343 Studies in German Culture and Literature to 1945

In-depth study of selected writers, forms and/or themes in German-speaking countries up to 1945 (i.e. Nazi Resistance).

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 344 Studies in German Culture and Literature to 1990s

In-depth study of selected writers, forms and/or themes in German-speaking countries up to 1990s (i.e. Jewish/Holocaust studies).

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## HUM 399 Special Studies

Topic and hours to be arranged.  
May be repeated for up to 6 credits, if content is different.  
**Credits: 1-6**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 406 Special Individual Studies

Terms and hours to be arranged.  
Designed for individual or special studies in a limited area of interest, under the guidance of a designated faculty member.  
May be repeated for up to 6 credits.  
**Credits: 1-6**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 407 Seminar

Topic and hours to be arranged.  
May be repeated for up to 8 credits, if content is different.  
**Credits: 3-4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 408 Workshop

Variable topic; workshops focus on developing practical skills.  
May be repeated for up to 6 credits.  
**Credits: 2-6**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 409 Practicum

Terms and hours to be arranged.  
Supervised practical experience in a humanities discipline.  
May be repeated for up to 12 credits. A maximum of nine credits of HUM 409 can be counted in a humanities major program; a maximum of six credits can be counted in a humanities minor program.  
Eligible for the RP grade option.  
**Credits: 1-12**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 450 Senior Capstone

Provides guidance in producing and assembling the senior capstone portfolio required of all students in the B.A./B.S. in Humanities degrees.  
Eligible for the RP grade option.  
**Credits: 1**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## HUM 507 Seminar

Topic and hours to be arranged.  
May be repeated for up to 8 credits, if content is different.  
**Credits: 3-4**

## HUM 509 Practicum

Terms and hours to be arranged.  
Supervised practical experience in a humanities discipline.  
May be repeated for up to 12 credits. A maximum of nine credits of HUM 409 can be counted in a humanities major program; a maximum of six credits can be counted in a humanities minor program.  
Eligible for the RP grade option.  
**Credits: 1-12**

## HUM 606 Special Individual Studies

Terms and hours to be arranged.  
Designed for individual or special studies in a limited area of interest, under the guidance of a designated faculty member.  
**Credits: 1-6**

## HUM 608 Workshop

Variable topic; workshops focus on developing practical skills.  
May be repeated for up to 6 credits.  
**Credits: 2-6**

## IDS 407 Seminar

Specific focus of the seminar will be identified when the class is scheduled.  
May be repeated for up to 9 credits, if the content is different.  
**Credits: 3-9**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IDS 409 Internship/Practicum

Combines working at agencies--public, private, or non-profit--with students' own identified academic goals in order to enhance a practical understanding of theory and/or collection of data for theoretical interpretation. Upon completion, students will also be able to describe the role of the agency, and understand professional practices.  
Terms and hours to be arranged.  
May be repeated for up to 12 credits.  
Pass-No Credit (P/NC) grading only.  
**Credits: 2-12**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IDS 498 Interdisciplinary Studies Integrative Project

IDS 498 is an elective, independent research course intended for IDS majors with at least 45 credit hours remaining in their course of study, and is a companion class to the required 1 credit IDS 499: Interdisciplinary Studies Capstone Portfolio. Students completing IDS 498 will augment their Capstone Portfolio with the following components: a final project consisting of a thesis, research report, creative work, internship, etc. designed in collaboration with their IDS advisor and/or specialists in their fields of interest; an annotated bibliography on research sources; a 90 second speech on the interdisciplinary connections of their research; and a presentation portfolio which will satisfy the IDS 499: IDS Capstone Portfolio requirement. IDS 498 may be repeated for up to 12 credits with the IDS 498 designation, or may be taken using an individualized course number from a WOU program in the student's focus area.  
May be repeated for up to 12 credits.  
Eligible for the RP grade option.  
**Credits: 1-12**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IDS 499 Interdisciplinary Studies Capstone Portfolio

The IDS Capstone Portfolio is designed to allow students to compare, contrast, integrate, and synthesize within and across their areas of study, explore practical

# Course Descriptions

connections to the fields of study, and reflect on their educational experience. This course is a 1 hr/week seminar. Eligible for the RP grade option.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 120 Interpersonal Aspects of Interpreting

Interpreting work involves the complexities of human interactions. Course content, based on the demand-control schema, includes observations of interaction of the consumers (e.g., the need to understand and mediate cultural differences, power differences, and dynamics, or the unique perceptions, preconceptions, and interactional goals of the consumers).

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 220 Environmental Aspects of Interpreting

Interpreting work involves the various physical settings, types of interactions, and workers. Course content, based on the demand-control schema, includes observation and exploration of requirements that pertain to the assignment setting (e.g., the need to understand consumers' occupational roles and specialized terminology specific to a given setting or tolerance of space limitations, odors, extreme temperatures, or adverse weather).

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 242 Interpreter Mindset Seminar

Thinking like an interpreter is an important foundation for becoming an interpreter. This course provides a framework for applying general education course content to becoming a successful interpreter.

May be repeated for up to 6 credits

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 254 Introduction to the Profession of Interpreting

Introductory overview to the profession of interpreting. Includes the history of interpreting, terminology, responsibilities, skills, aptitudes of interpreters, the process of becoming an interpreter, employment environment and options and current issues.

**Credits: 3**

**Prerequisite:** ASL 103

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 320 Intrapersonal Aspects of Interpreting

Intrapersonal aspects of individuals as members of a community, as members of a profession, and as interpreters will be explored. Course content, based on the demand-control schema, pertains to the internal physiological or psychological state of the interpreter (e.g., the need to tolerate hunger, pain, fatigue, or distracting thoughts or feelings).

**Credits: 4**

**Prerequisite:** ASL 302

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 361 Pre-Interpreting Skills Development

Foundational skills necessary for effective interpretation. Explores language skill development, cognitive processing skills, as well as skills with technology to become reflective practitioners. Students will apply pre-interpreting skills in isolation, progressing to intralingual activities. Course will prepare pre-interpreting students for the rigors of the interpreting program.

**Credits: 3**

**Prerequisite:** INT 254 and ASL 203 or consent of instructor.

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 392 Language Variation in Signed Language Interpreting

Students will develop knowledge of the linguistic principles of American Sign Language and English, the different modes of communication used by Deaf and Hard of Hearing persons, the various language and communication policies and signed systems used in the classroom and community. Students will assess language and communication functioning and the language continuum. They will apply research findings to the interpretation process and will evaluate the effectiveness of implemented instructional programs.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 406 Individual Studies in Interpreting

Terms and hours to be arranged. Designed for individual or special studies in a limited area of interest under the guidance of a designated faculty member.

May be repeated for up to 16 credits.

**Credits: 1-3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 407 Seminar: Interpreting

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 408 Workshop

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 409 Practicum: Interpreting

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for

# Course Descriptions

the Satisfactory/No Credit grade mode.

## INT 410 Internship

Opportunity to work with a professional interpreter who serves as a mentor. Students observe professional interpreters, provide interpreting services while under supervision and perform independent interpreting assignments. Students apply the theory, knowledge and skills obtained in the classroom to the delivery of interpreting services, acquire new professional knowledge and skills and develop effective professional work habits and positive working relationships with co-workers and consumers.

**Credits: 3-12**

**Prerequisite:** INT 442 and INT 468 with a grade of B or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 411 Interpreting in Theatrical Settings

This course introduces students to the skills needed to interpret in a variety of performing arts settings. Students will study the principles and techniques of artistic interpreting including drama theories, acting for interpreters, choreography, movement, and rhythm. Emphasis will be placed on translation, the rehearsal process, theatre etiquette, ethics, and vocabulary development. Students will participate in individual and group translations of live and static texts in both ASL and English.

**Credits: 3-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 423 Technology in Interpreting/Interpreter Education

Students will engage with technology common in the field of interpreting. Instruction in use of various technologies in their work as pre-professional and professional interpreters focusing on skill development, self-reflection, and actual service delivery via technology.

**Credits: 2**

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## INT 440 Ethics and Decision Making for Interpreters

Study of the Registry of Interpreters for the Deaf Code of Professional Conduct, ethics-related terminology, values systems and change, ways in which situational, institutional and legal constraints affect professional decision making, and becoming an ethical professional. Course content includes information on group theory and skills, decision making, problem solving, conflict resolution, stress management and communication skills.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 441 Theory and Process of Interpreting IV

Students will identify and analyze demands (environmental, interpersonal, paralinguistic and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Content includes ways various interlocutors construct and receive messages, co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous texts to provide interpretations.

**Credits: 4**

**Prerequisite:** INT 452 with a grade of B or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 442 Theory and Process of Interpreting Practicum

Students engage in a practicum with consumers in no risk situations. Students will engage in regular demand-control schema supervision of their interpreting work throughout the term.

**Credits: 4**

**Prerequisite:** *Completion of INT 441 with a grade of B or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 450 Theory & Practice of Interpreting I

Identify and analyze demands (environmental, interpersonal, paralinguistic and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Includes ways various interlocutors construct and receive messages and the co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous texts to provide interpretations.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 451 Theory and Practice of Interpreting II

Students will identify and analyze demands (environmental, interpersonal, paralinguistic, and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Content includes ways various interlocutors construct and receive messages, co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous texts to provide interpretations.

**Credits: 4**

**Prerequisite:** INT 450 with a grade of B or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 452 Theory and Practice of Interpreting III

Students will identify and analyze demands (environmental, interpersonal, paralinguistic and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Includes ways various interlocutors construct and receive

# Course Descriptions

messages and the co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous texts to provide interpretations.

**Credits: 4**

**Prerequisite:** *INT 451 with a grade of B or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 460 Current Issues for Interpreters

Investigates current issues facing the professional interpreter. Students discuss issues of multilingualism/multiculturalism, legal statutes and liability, certification and quality assurance, confidentiality, accountability, minority status of non-English language users and issues of culture, oppression, and empowerment of non-English using communities, the interpreter as a cross-cultural mediator, and other contemporary issues.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 462 Business Aspects of Interpreting

Introductory overview to the profession of interpreting. Includes the history of interpreting, terminology, responsibilities, skills, aptitudes of interpreters, the process of becoming an interpreter, employment environment and options, and current issues.

**Credits: 4**

**Prerequisite:** *Interpreting Studies: Theory majors*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 465 Interpreting In Community Settings

Introduces students to a variety of settings in which interpreters work and the vocabulary and discourse patterns used by consumers in these settings. Through contact with interpreters and consumers, students become familiar with the specific vocabulary,

professional issues, ethical considerations, knowledge bases and skills related to each community setting. Students will be introduced to several interpreting settings, including social service, government, legal, medical, mental health, business, religious, performing arts and sports activities.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 466 Interpreting in Postsecondary Settings

Introduces students to working in postsecondary settings in which interpreters work and the vocabulary and discourse patterns used by consumers in these settings. Students will become familiar with the specific vocabulary, professional issues, ethical considerations, knowledge base and skills related to the postsecondary setting.

**Credits: 3**

**Prerequisite:** *INT 452, INT 465 and INT 467 with a grade of B or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 467 Interpreting in Educational Settings

Designed to apply advanced interpreting and classroom support skills to educational settings. Strategies for interpreting frozen texts, negotiating situational-based signs and interpreting for presenters from various content areas who have a variety of instructional styles.

**Credits: 3**

**Prerequisite:** *INT 392, INT 451 and INT 460 with a grade of B or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 468 Specialized Interpreting Techniques

Introduction to specialized communication and interpreting techniques used with a variety of consumers and situations. Students are introduced to oral, deafblind and manually-coded English interpreting

techniques.

**Credits: 2**

**Prerequisite:** *INT 441 and INT 466 with a grade of B or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 469 Cultural Intelligence in a Diverse World

This course emphasizes the importance of developing cultural intelligence in the context of a diverse society. Students are introduced to the paradigms of difference beyond their insular boundaries and environments. Multiple perspectives are explored related to notions of difference, bias, and privilege and how they impact the way we see and interact with the world around us. Students will also develop skills to communicate effectively when faced with controversy that stems from topics such as race, ethnicity, sex, gender identity, social class, and ability.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 471 Seabeck: Academic Service-Learning Project

Students will practice using a variety of communication strategies in preparation to work as volunteer interpreters. Support service providers and sighted guides with deafblind people during an annual retreat the last week of August annually. Students are expected to raise funds and travel to Seattle, engaging with its sizable deafblind community.

**Credits: 3**

**Prerequisite:** *ASL 470 and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INT 507 Seminar

Terms and hours to be arranged. May be repeated for up to 4 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*

# Course Descriptions

## INT 550 Theory & Practice of Interpreting I

Identify and analyze demands (environmental, interpersonal, paralinguistic and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Includes ways various interlocutors construct and receive messages and the co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous texts to provide interpretations.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

## INT 551 Theory and Practice of Interpreting II

Students will identify and analyze demands (environmental, interpersonal, paralinguistic, and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Content includes ways various interlocutors construct and receive messages, co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous texts to provide interpretations.

**Credits: 4**

**Prerequisite:** *INT 450 with a grade of B or better*

## INT 552 Theory and Practice of Interpreting III

Students will identify and analyze demands (environmental, interpersonal, paralinguistic and intrapersonal) that influence communication and develop controls for responding to communication events using the demand-control schema. Includes ways various interlocutors construct and receive messages and the co-construction of meaning and current theories in the process of interpreting. Students apply theories and practice controls by working with static and spontaneous

texts to provide interpretations.

**Credits: 4**

## INT 560 Current Issues for Interpreters

Investigates current issues facing the professional interpreter. Students discuss issues of bilingualism/biculturalism, legal statutes and liability, certification and quality assurance, confidentiality, accountability, minority status of American Sign Language and deaf culture, oppression and empowerment of the deaf community, the interpreter as a cross-cultural mediator and other contemporary issues.

**Credits: 4**

## INT 562 Business Aspects of Interpreting

Introductory overview to the profession of interpreting. Includes the history of interpreting, terminology, responsibilities, skills, aptitudes of interpreters, the process of becoming an interpreter, employment environment and options, and current issues.

**Credits: 4**

**Prerequisite:** *Interpreting Studies: Theory majors*

## INT 570 DeafBlind Culture, Communication & Guiding

Students will explore a variety of communication strategies that can contribute to their skill set as ASL/English interpreters and support service providers working with the deafblind community. Students will incorporate these strategies and personalize them depending on the individuals with whom they are working.

**Credits: 3**

**Prerequisite:** *INT 254 and ASL 301 with a grade of B or better, or consent of instructor*

## INT 603 Thesis or Professional Project

Individual research or original writing with scheduled seminars in approved areas of research, culminating in a

thesis or professional project presentation.

**Credits: 3-6**

## INT 606 Special Projects

Terms and hours to be arranged. Course is offered on individual student basis under guidance of a designated faculty member.

**Credits: 1-3**

## INT 607 Seminar

Terms and hours to be arranged. May be repeated for credit, if content is different.

**Credits: 1-3**

## INT 608 Workshop

Terms and hours to be arranged. May be repeated for credit, if content is different.

**Credits: 1-3**

## INT 609 Practicum

Students will engage in practicum experiences.

**Credits: 1-4**

**Prerequisite:** *Concurrent enrollment in or completion of INT 640 and INT 650*

## INT 610 Internship & Portfolio

Provide interpreting students the opportunity to demonstrate interpreting, teaching, and other professional competencies acquired during their training. Interns will have supervision by appropriately trained and credentialed professionals.

**Credits: 4**

## INT 612 Proseminar

This course is designed to provide a foundation for inquiry about interpreting studies issues through critical reading, analytical writing, and thoughtful, collegial discussion. We will develop knowledge and skills relevant to graduate work in interpreting studies at Western Oregon University. We will sample and experiment with technology used in the program,

# Course Descriptions

explore library resources to locate literature, and use APA style guidelines.

**Credits: 3**

## INT 615 Communication for Interpreters

First in a series of two courses in which students examine interpersonal communication and the role of an interpreter. Students will practice and apply principles of invention, organization, language and delivery with focus on the development of skill and confidence in interpersonal communication in English and in ASL.

**Credits: 3**

## INT 617 Introduction to Reflective Practice

Reflective practice is the ability to reflect on one's actions in real time and after the interpreted event leading to improved performance. As continuously developing professionals, pausing and reviewing the work being done is imperative in order to develop and improve one's professional practice with intention. This course will introduce students to the literature and professional basis for reflective practice as a professional habit. Students will learn the principles of reflective practice including why reflection is needed, when it is needed, why it is an ethical practice, and how to begin.

**Credits: 3**

**Prerequisite:** *Acceptance into the MA in Interpreting Studies program and/or consent of instructor*

## INT 618 Ethics and Professional Practice

Students examine current professional and ethical decision-making practices and explore the application of Demand-Control Schema (DC-S) to professional and ethical practices.

**Credits: 3**

## INT 619 Professional Field Experience I

In this course, interpreting students will participate in supervision to

demonstrate interpreting, analysis, reflection, and other professional competencies acquired during 90-hours of professional field experience. May be repeated up to six credits.

**Credits: 3**

## INT 620 Professional Field Experience II

In this course, interpreting students will participate in supervision to demonstrate interpreting, analysis, reflection, and other professional competencies acquired during 180-hours of professional field experience. May be repeated one time for credit.

**Credits: 6**

**Prerequisite:** *INT 619*

## INT 621 Professional Field Experience III

In this course, interpreting students will participate in supervision to demonstrate interpreting, analysis, reflection, and other professional competencies acquired during 270-hours of professional field experience.

**Credits: 9**

**Prerequisite:** *INT 620*

## INT 624 Teaching and Technology

Students will explore new and emerging technologies used to enhance student engagement. Both synchronous and asynchronous methods will be discussed. Course will provide students with hands-on experience in designing individual and collaborative student-learning experiences.

**Credits: 1**

## INT 625 Becoming a Practice Profession: The History of Interpreting and Interpreter Education

Students will explore the history of interpreting and interpreter education as developing professions. The culmination will be examining interpreting and interpreter education as practice professions.

**Credits: 3**

## INT 627 Reflective Practice Techniques

Reflective practice is a hallmark of a practice profession. There a number of techniques that will be explored and applied in this course, including, but not limited to: journaling, dialogue, freewriting, and analysis of emotions and values. Practices and applications explored will include reflection-in-action, reflection-on-action, reflection-for-action, and reflection-with-action. Reflective practices can be employed individually, with guidance, in small groups, and/or in community/work settings - each type will be studied in this course.

**Credits: 3**

**Prerequisite:** *Acceptance into the MA in Interpreting Studies program and/or consent of instructor*

## INT 630 Communication in a Practice Profession

Students examine interpersonal communication and discuss the role of an interpreter. Students will practice and apply principles of invention, organization, language and delivery with focus on the development of skill and confidence in interpersonal communication in English and ASL. Students will incorporate observations, supervision sessions and interpreting practice to enhance skills in decision making around meaning transfer, ethical dilemmas and interpersonal communication.

**Credits: 3**

**Prerequisite:** *Acceptance into the MA in Interpreting Studies program or consent of instructor*

## INT 633 Research and Writing: Translation and Interpretation

Students will examine the traditions and theories of both quantitative and qualitative research and evaluate methods, findings, and implication of research studies. Students will critique and produce scholarly writing.

**Credits: 3**

**Prerequisite:** *Acceptance to the MAIS program or consent of instructor*



# Course Descriptions

## INT 635 Qualitative Methods

This course introduces students to the principles and processes of qualitative methods, such as action research, ethnography, semi-structured interviews, and case studies. Students develop skills to design and practice qualitative methods, conduct data collection, analysis, interpretation, and presentation of findings.

**Credits: 3**

**Prerequisite:** *Acceptance to the MAIS program or consent of instructor*

## INT 637 Rhythms of Reflective Practice

Professional practice of interpreters and interpreter educators is complex and multifaceted. Knowing the principles of and the techniques for reflective practice is a strong foundation on which to build rhythms of reflection in one's professional journey. Rhythms will need to be adjusted as the journey continues and in different stages of one's career. This course will explore tools for developing and revising rhythms of reflection across the longevity of your practice. The goal is to reinforce reflection in community, with regularity, and intention.

**Credits: 3**

**Prerequisite:** *Acceptance into the MA in Interpreting Studies program and/or consent of instructor*

## INT 639 Student Teaching & Portfolio

Students teach in a pre-service or in-service interpreter education setting that fits the students' interests and skill sets. During this experience, students will develop a teaching or instructional work sample and complete a portfolio.

**Credits: 4**

**Prerequisite:** *Successful completion of INT 655*

## INT 640 Teaching Ethics and Professional Practice

After observing teachers and mentors in action, students develop teaching methods that infuse Demand-Control Schema into the instruction of ethics

and professionalism. They examine ways in which DC-S may be infused into theory and practice courses and design of curriculum.

**Credits: 3**

## INT 645 Research on Translation and Interpretation I

Students research translation and interpretation theory. They examine and evaluate scholarship, research methods, findings and implications. Students begin conducting a research project that is qualitative, quantitative, and/or action based.

**Credits: 3**

## INT 646 Research on Translation and Interpretation II

Examine translation and interpretation scholarship relevant to their own research interests and evaluate methods, findings and implications. Course designed to support research completion efforts in a structured, directive, and supportive environment. Eligible for the RP grade option.

**Credits: 5**

**Prerequisite:** *INT 645 with a B- or better, INT 639 (may be taken concurrently), and completion of all other degree requirements with an average of B- or better*

## INT 647 Advanced Research Writing

Course reserved for students completing a final thesis, project or portfolio. All other coursework in master's degree program must be completed.

May be repeated four times for credit.

**Credits: 3**

## INT 650 Teaching Meaning Transfer

After observing teachers and mentors in action, students prepare to teach translation, consecutive interpreting (CI) and simultaneous interpreting (SI). They use self-assessment, self-reflective and research-based practices in teaching design and implementation.

**Credits: 3**

## INT 655 Assessment for Interpreter Educators

Theory in assessment construction, methodology and the use of data in formative and summative assessment design. Students research methods used for curricular and program assessment and evaluation. Will examine, develop, and/or administer assessments and interpret assessment results.

**Credits: 3**

## INT 665 Interpreter Education Curriculum Development

Specific approaches and methods for classroom management and facilitation, as well as train-the trainer techniques. Topics include establishing an outline, assessing student performance, instructional technology, platform and presentation skills and addressing difficult issues. Introduces strategies for curriculum development ranging from lesson design to program design.

**Credits: 3**

## INT 670 Leadership Roles in the Field of Interpreting

Students analyze current leadership potential and practice. Emphasis on local, national and global trends in leadership practices for translators and interpreters. Students gain skills and knowledge to act as mentors and resources for less-experienced and entry-level interpreters.

**Credits: 3**

## INT 675 Adult Education

Explore realities of adults as learners, the value of co-constructing the learning environment with students. Adult learning theories will be discussed and analyzed as well as various models for approaching adults as learners in the college classroom.

**Credits: 3**

## INT 677 Intrapersonal Aspects of Interpreting

This course will give students time to

# Course Descriptions

explore intrapersonal aspects of interpreters as people, as members of a community, as members of a profession and as interpreters. This will include an in-depth exploration of how the inner landscape of a professional impacts the consumers who are served and how to respond to that reality.

**Credits: 3**

## INTL 199 International Student Orientation

Orientation course to prepare international students for academic success through the use and introduction to campus resources. This is a required course for international students in the ESL Bridge Program/Conditional Admission Program. Other non-native speakers are welcome.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INTL 199 Listening/Speaking for International Students

English course for non-native English speakers focusing on academic note taking, lectures and interpersonal communication skills. This is a required course for international students in the ESL Bridge Program/Conditional Admission Program. Other non-native speakers are welcome.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## INTL 199 Reading/Writing/Research for International Students

English course for non-native English speakers focusing on writing, reading and research paper writing skills for academic purposes. This is a required course for international students in the ESL Bridge Program/Conditional Admission Program. Other non-native speakers are welcome.

**Credits: 6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 211 Applied Programming: Python

This is an intermediate programming course that introduces the Python language. Python is a general purpose, high-level programming language whose design philosophy emphasizes code readability, combining power with clear syntax. Its standard library is large and comprehensive. Python is widely used as a scripting language for web applications, system automation and application prototyping.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## IS 240 Information Management I

This course introduces data structures and how to apply data management algorithms to various types of data and information. Students gain experience with provisioning infrastructure, and increase their proficiency with the Unix operating system while creating realistic information management solutions.

**Credits: 4**

**Prerequisite:** CS 133 or CS 134 or CS 135 or CS 161 (may be taken concurrently)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 270 Operating Systems

This course teaches students the responsibilities and functional components of operating systems. Students learn and practice skills necessary to select and configure operating systems to meet solution requirements for differing applications.

**Credits: 4**

**Prerequisite:** CS 133 or CS 134 or CS 135 or CS 161 (may be taken concurrently)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 278 Networks

This course provides an understanding of local area networks using the OSI model. Topics include network hardware, software and protocols.

Students will gain hands-on experience with network administration tasks for popular network environments.

**Credits: 4**

**Prerequisite:** CS 133 or CS 134 or CS 135 or CS 161 (may be taken concurrently)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 283 Cybersecurity Fundamentals for Criminal Investigation

This course is an introduction to the principles and topics in cybersecurity. Students will learn a common set of techniques and tools to detect, prevent, and mitigate cyber threats. Cybersecurity frameworks, methodologies and policies are introduced.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 299 Information Systems Topics

Course content will vary. Topics are selected relative to new subject areas in information systems appropriate to sophomore level.

May be repeated for up to 16 credits.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 301 Information Systems Automation

This course provides an overview of automation for linux based cloud platforms. Advanced shell programming techniques are introduced and practiced.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 311 Introduction to Cybernetics

An introduction to the field of cybernetics and control theory. Students will develop scientific skills by exploring physical control problems

# Course Descriptions

using robots. Classical theories of uncertainty, feed forward, and feedback control will be covered from an applied perspective in the context of common control objectives. Students will explore the challenges of observing and controlling physical systems through hands on experiments. Three hours of classroom meetings (or equivalent) and two hours of laboratory per week.

**Credits: 4**

**Prerequisite:** CS 122 or CS 160 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## IS 340 Information Management II

This course introduces core concepts for managing large data sets for organizations. Students learn how to identify and model information requirements, convert data models into relational data models, and verify structural characteristics. Students implement and use a relational database created with an enterprise-class database management system. Students learn and perform basic database administration skills, including techniques to ensure data quality and data security.

**Credits: 4**

**Prerequisite:** IS 240 and IS 301 (may be taken concurrently)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 345 Systems Analysis

This course discusses the processes, methods, techniques and tools that organizations use to determine how they should operate, with a particular focus on how computer-based technologies can most effectively contribute to the way operations are organized. The course covers a systematic methodology for analyzing an organizational problem or opportunity, articulating operational requirements for the technology solution, specifying alternative approaches to acquiring the capabilities needed, and specifying the requirements for the information

systems solution.

**Credits: 4**

**Prerequisite:** IS 240

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 350 Enterprise Architecture

This course explores the design, selection, implementation and management of enterprise information systems, focusing on applications and infrastructure and their fit with the business. Students learn frameworks and strategies for infrastructure management, system administration, information architecture, content management, distributed computing, middleware, legacy system integration, system consolidation, software selection, total cost of ownership calculation, investment analysis, and emerging technologies. Students hone their ability to communicate technology architecture strategies concisely to a general business audience.

**Credits: 4**

**Prerequisite:** IS 345

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 355 Strategy, Acquisition and Management

This course explores the issues and approaches in managing the information systems function in organizations and how the IS function enables various types of organizational capabilities. It takes a senior management perspective in exploring the acquisition, development and implementation of plans and policies to achieve efficient and effective information systems.

**Credits: 4**

**Prerequisite:** IS 350

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 370 Ethical Hacking

This course covers ethical hacking, to include tools, techniques, and incident handling. In this course, students will learn how to discover vulnerabilities, how to attack and defend systems, how to respond to attacks, and how to identify and design controls to prevent

future attacks.

**Credits: 4**

**Prerequisite:** CS 260 or IS 270 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 371 Computer Forensics for Criminal Investigation

This course is the application of investigation and analysis tools to gather and preserve evidence in a way that is suitable for presentation in a court of law. Students will develop structured techniques for maintaining a documented chain of evidence to find out exactly what happened on a computing device and who was responsible for it.

**Credits: 4**

**Prerequisite:** IS 283

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 373 Computer Security for Criminal Investigation

The course covers network security, compliance and operational security, threats and vulnerabilities, application, data and host security, access control, and identity management and cryptography.

**Credits: 4**

**Prerequisite:** IS 283

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 406 Special Topics

Course is to be offered on an individual student basis. It is designed to support students in investigating the application of programming methods to problems related to their declared major.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## IS 409 Practicum

Offers practical experience working in a computer science department for area businesses or industries.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-9**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 440 Systems Administration

This course introduces system administration using modern operating systems. This course covers the setup, customization, operation and maintenance of production-quality servers, suitable for deployment of modern server applications such as web hosting, file-sharing and database or network services. Topics include: system proficiency, user and process management, file systems, network configuration, standard security practices and various server applications. Prior operating systems knowledge required.

**Credits: 4**

**Prerequisite:** IS 301, IS 340 and IS 355

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 470 Project Management

This course explores the origins of project management and its importance to improving the success of IT projects. Basic topics including scope, cost, time quality and risk management will be covered. Students will work in groups to propose and plan significant projects. Students will also learn about software tools that aid in project management.

**Credits: 4**

**Prerequisite:** Senior standing and either DATA 471 and IS 340, or IS 345 and IS 355

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 473 Network Security for Criminal Investigation

Course covers the troubleshooting, configuring and managing of essential network devices. Focuses on implementing network security,

standards, and protocols. Analysis of existing network configurations to identify the benefits and drawbacks, as well as provide a recommendation for improvement to network security and policies.

**Credits: 4**

**Prerequisite:** IS 283

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 474 Ethical Hacking for Criminal Investigation

This course covers ethical hacking, to include tools, techniques, and incident handling. Students will learn how to discover vulnerabilities, how to attack and defend systems, how to respond to attacks, and how to identify and design controls to prevent future attacks.

**Credits: 4**

**Prerequisite:** IS 283

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 475 Project Implementation

This course continues and builds from the project management fundamentals of IS 470 Project Management. Student teams develop detailed project plans and implement a planned information system project. During project development, students learn more advanced topics in project management such as risk and quality management.

**Credits: 4**

**Prerequisite:** IS 470

**Corequisite:** IS 475L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 475L Lab: Project Implementation

To be taken concurrently with IS 475.

**Credits: 0**

**Corequisite:** IS 475

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 485 Introduction to Computer Security

Introduction to basic computer security. Introduces cryptography,

malware and viruses, operating system security and programming security. Students gain hands-on experiences via labs and projects.

**Credits: 4**

**Prerequisite:** CS 162 or IS 270

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 486 Network Security

Focuses on fundamental computer networking security concepts, networking attacks and protection and other security problems in networking applications. Course introduces the attacks on each network layer, including the link layer, network layer and transport layer. Also addresses security problems related to DNS, web services and emails.

**Credits: 4**

**Prerequisite:** CS 162 or IS 278 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## IS 675 Topics in Information Systems

Topics may include: detailed study of a foundational field of Information Systems that is not covered by another course; in-depth study of particular current topics; survey of important technologies, software or systems; review of current research areas or popular trends.

May be repeated for up to 8 credits.

**Credits: 1**

## JS 629 Social Movement and Community Organization

This course examines community organizing and social movements for transformation and reform. Discusses the concepts of social justice, human rights, and informed citizens.

**Credits: 4**

## JS 655 Convict Criminology

This course will examine the experience of the criminal justice system from those who have experienced it firsthand. Students will discuss research from scholars who are currently and formerly incarcerated

# Course Descriptions

or otherwise impacted by the criminal or juvenile justice system.

**Credits: 4**

## JS 658 Justice and Social Theory

This course will examine theories of justice from social, legal, and criminological perspectives with their application to current and historical social justice issues.

**Credits: 4**

**Prerequisite:** *CJ 608*

## JS 659 Social Problems

This course will examine complex social issues, causes, symptoms, and reactions with a focus on how each relates to the notion of justice.

Focuses on contemporary issues of social justice.

**Credits: 4**

## LS 300 Seminar on Multidisciplinary Learning

An introduction to multidisciplinary learning. Includes exploration of different approaches to knowledge (e.g., scientific, humanistic, creative, applied) and identification of individualized long-term learning goals.

**Credits: 2**

**Prerequisite:** *Acceptance to the Liberal Studies, B.A.S. program*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LS 499 Capstone

Reflection on educational experiences, synthesizing across courses and integrating with work and/or life experiences. Includes one of the following: an internship or practicum, a service project, a research or creative project, or another activity aligned with the student's interests and goals.

**Credits: 4**

**Prerequisite:** *Acceptance to the Liberal Studies, B.A.S. program and have completed at least 45 upper division credits*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIB 225 Advanced Research for College, Work and Life

This course bridges the gap between the basic-level research done in introductory courses, and advanced-level research expected in 300 and 400 level courses. While exploring the world of information in this course, students will learn to use effective methods and techniques of information gathering, evaluation and presentation. They will develop advanced research techniques specific to their disciplines, and build problem-solving and information-seeking skills they will use after college to make decisions regularly encountered in today's information-driven workplace.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIB 360 Books, Reading, and Contemporary Culture

An exploration of reading - its role inside and outside the classroom, its place in contemporary culture, the history of books and reading, the role of reading for pleasure in one's own life, and the future of books and reading.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIB 406 Special Individual Studies

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-9**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIB 409 Practicum

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 3-9**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LING 101 Language: Misconceptions vs. Reality

This class focuses on helping students debunk linguistic misconceptions using relevant facts and linguistic principles. Topics to be explored include: Do animals have language? Is English harder than other languages? Is there one "correct" English? Do all languages have grammar? Is baby-talk detrimental for young children? Do men and women talk differently? Are some languages more expressive than others? This class introduces students to some of the basic tools linguists use to study language, but requires no previous understanding of linguistics.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## LING 102 Language and Power

An introduction to the study of language in relation to power and identity in modern society. We explore the role of language in constructing social identity and systems of power by focusing on language use in relation to social class, regional dialects, ethnicity, gender and sexual orientation, education, multilingualism and social media, as well as propaganda and social control. This class introduces students to some of the basic tools linguists use to study language, but requires no previous understanding of linguistics.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## LING 103 English in a Global Context

This class explores the development of English as a global language. We analyze the historical, social, political, and technological developments leading to English becoming the most widespread language in international communication. Topics also include the emergence of new Englishes, standardization, colonialism and the effects of English dominance on linguistic diversity, minority languages, and educational policies. This class introduces students to some of the basic tools linguists use to study

# Course Descriptions

language, but requires no previous understanding of linguistics.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## LING 136 Academic Discourse for International Students

Analysis of academic discourse in order to understand the language demands of college-level reading with emphasis on strategies for reading comprehension, sentence structure and vocabulary development. Recommended co-enrollment with WR 121Z.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 209 Introduction to Language Study

The course gives students a basic understanding of the language structure of young children (12 months-5 years old) as well as the process of language acquisition and language change.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## LING 214 Linguistics and Education

An introduction to the study of linguistic structure/function (phonetics, phonology, morphology, syntax, semantics and pragmatics) focused on early childhood/elementary/middle educational contexts, including first and second language acquisition, phonological awareness, bilingualism, dialect diversity, literacy and classroom discourse.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## LING 309 The Language and Writing of Early Learners

The course introduces students to the

syntactic structures and writing development of early learners.

**Credits: 4**

**Prerequisite:** *LING 209, Early Childhood Studies Students Only*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 310 Introduction to Linguistics

An examination of the nature and structure of human languages (phonetics, phonology, morphology, syntax, semantics and pragmatics), as well as issues in applied linguistics, child language acquisition, literacy and dialect diversity.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## LING 312 Language and Society

A study of the relationship between language and society, including linguistic diversity, bilingualism, multilingualism, ethnography of speaking and social bases for language change.

**Credits: 4**

**Prerequisite:** *LING 310 or SPAN 379 and SPAN 315 or SPAN 301, SPAN 302, SPAN 303 or SPAN 317, SPAN 318, SPAN 319 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 314 Language Study for Elementary/Middle Teachers

Detailed study of the linguistic sub-systems of English (phonology, morphology, syntax and semantics/pragmatics) as they directly relate to the background knowledge and skills required for effective elementary teaching. Topics include: language standards and dialect variation, cueing systems in reading, vocabulary development, writing conventions and personal voice, bilingual and second language development.

**Credits: 4**

**Prerequisite:** *LING 209, LING 214 or LING 310*

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

## LING 315 Structure of English I

Overview of the linguistic structure of English including word structure and the grammar of simple and complex sentences in authentic texts.

**Credits: 4**

**Prerequisite:** *LING 310 or SPAN 379*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 316 Spanish/English: Comparative Study for Bilingual Classrooms

Comparative study of Spanish and English linguistic patterns, including those most relevant for early literacy and bilingual language competencies. Emphasis on the specific linguistic and developmental patterns of language acquisition and early literacy that arise among bilingual learners.

**Credits: 4**

**Prerequisite:** *SPAN 203, or equivalent, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 350 Linguistics in the Digital Age

Study of large collections of electronic text for linguistic analysis. After introducing corpus design, creation and analytical methods, corpus techniques are applied to a variety of linguistic issues including variation and change, literacy stylistics and the acquisition and teaching of English.

**Credits: 4**

**Prerequisite:** *LING 310 or SPAN 379 and LING 315 or SPAN 301, SPAN 302, SPAN 303 or SPAN 317, SPAN 318, SPAN 319 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 370 Meaning and Context

The study of linguistic meaning and social context, the interaction of semantics and pragmatics, including word and sentence meaning, presupposition, deixis, speech acts

# Course Descriptions

and conversational analysis.

**Credits: 4**

**Prerequisite:** *LING 310 or SPAN 379 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 406 Special Individual Studies

Terms and hours to be arranged.

Individual or special studies in a limited area of interest under the guidance of a designated faculty member.

May be repeated for up to 15 credits.

**Credits: 1-15**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 407 Seminar

May be repeated for up to 8 credits, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 409 Internship

Terms and hours to be arranged.

May be repeated for up to 8 credits.

Eligible for the RP grade option.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 410 Theories of Foreign Language Acquisition for Adult/Young Adult Learners

Introduction to adult and young adult foreign language learning. Will study the principles and processes that govern second language learning in adults and young adults, with attention to the processes of child language acquisition that are both similar to and different from, foreign language acquisition.

**Credits: 4**

**Prerequisite:** *LING 310 or SPAN 379 and LING 315 (may be taken concurrently) or SPAN 301, SPAN 302, SPAN 303 or SPAN 317, SPAN 318, SPAN 319 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 415 Strategies in Foreign Language Teaching for Adult/Young Adult Learners

Overview of past and contemporary methods of teaching languages in foreign language contexts and the relationship between methodological trends, theories of language learning and the contexts of teaching.

**Credits: 4**

**Prerequisite:** *LING 310 or SPAN 379 and LING 315 (may be taken concurrently) or SPAN 301, SPAN 302, SPAN 303 or SPAN 317, SPAN 318, SPAN 319 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 416 TEFL Certificate Practicum

Course gives students a supervised practical teaching experience in which theoretical knowledge is integrated with valuable skills and experience in a structured setting with adult second language learners.

**Credits: 2**

**Prerequisite:** *LING 410, LING 415 and LING 492 (may be taken concurrently) or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 450 Linguistic Analysis of Style and Genre

Analysis of style and genre from a linguistic perspective. Topics to be covered include the history of style/genre in the context of language instruction and writing assessment; sentence fluency and syntactic development in the context of genre-specific texts; stylistic punctuation.

**Credits: 4**

**Prerequisite:** *LING 310 and 315 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 490 History of the English Language

A study of the historical origins and

development of the English language, including the principles and processes of language change.

**Credits: 4**

**Prerequisite:** *LING 310 and 315 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 492 Pedagogical Grammar in TEFL for Adult/Young Adult Learners

Course, designed for prospective EFL/ESL teachers, examines English syntax in depth, with special emphasis on aspects of English grammar that present difficulty for EFL/ESL speakers. Topics include, the auxiliary system of English, the tense/aspect system, complementation, reference.

**Credits: 4**

**Prerequisite:** *LING 415 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 496 Special Topics in Linguistics

An exploration of selected topics in linguistics. Specific focus will be identified in each year's schedule of classes.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## LING 550 Linguistic Analysis of Style and Genre

Analysis of style and genre from a linguistic perspective. Topics to be covered include the history of style/genre in the context of language instruction and writing assessment; sentence fluency and syntactic development in the context of genre-specific texts; stylistic punctuation.

**Credits: 4**

**Prerequisite:** *LING 310 and 315 or consent of instructor*

## LING 596 Special Topics in Linguistics

An exploration of selected topics in

# Course Descriptions

linguistics. Specific focus will be identified in each year's schedule of classes.

**Credits: 4**

**Prerequisite:** *Consent of instructor*

## LING 606 Special Individual Studies

Terms and hours to be arranged. Opportunity to study a special or individual area of interest under the guidance of a designated faculty member.

May be repeated for up to 9 credits, if content is different.

**Credits: 1-15**

**Prerequisite:** *Consent of instructor*

## LIT 101 Topics in Literature

General Education course with variable topics (identified in schedule of classes); each section presents a variety of literary texts focused on a specific thematic topic.

May be repeated once for credit, if the content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## LIT 102 Literary Genres

General Education course with each section focused on a specific literary genre (identified in schedule of classes); can include genres like comedy, drama, novella, poetry, satire, and others.

May be repeated once for credit, if the content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## LIT 103 Literature and Society

This General Education course focuses on the relationship between literature and society, and each section is focused on variable social topics (identified in schedule of classes). It may be repeated one time

for credit, if the content is different.

May be repeated once for credit, if the content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## LIT 110 Critical Themes in Literature

This General Education course focuses on critically analyzing large, philosophical themes connecting a variety of literary texts. Each section is focused on variable themes (identified in schedule of classes).

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## LIT 201 Western Literature I

A survey course presenting literature from classical through about 1650, focusing on Europe outside of Britain. Recommended General Education course for literature majors.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## LIT 202 Western Literature II

A survey course presenting literature from about 1650 through the modern period, focusing on Europe outside of Britain. Recommended General Education course for literature majors.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## LIT 204 Survey of British Literature I

A survey of British literature from Beowulf to 1660.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 205 Survey of British Literature II

A survey of British literature from 1660 to 1832.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 206 Survey of British Literature III

A survey of British literature from 1832 to the present.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 253 Survey of American Literature I

A survey of American literature from the beginnings to 1865.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 254 Survey of American Literature II

A survey of American literature from 1865 to the present.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 301 Shakespeare

A study of selected major works of Shakespeare.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 317 Introduction to Literary Studies I

Core course in the English major focuses on writing about literature, literary research methods, and the basics of close reading.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement and one lower division (100/200 level) literature course*

**Satisfactory Grading:** Ineligible for



# Course Descriptions

the Satisfactory/No Credit grade mode.

## LIT 318 Introduction to Literary Studies II

Building on the skills developed in LIT 317, focuses on modern literary critical theories and continues refining skills in writing about literature and close reading.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 380 The Bible as Literature

A study of the representative literary forms, events and figures of the English Bible, either Old and/or New Testaments, with emphasis on the Bible's importance to the subsequent development of the literary, social, and philosophical traditions of the Western world. LIT 380 is an option for the Integrated Learning General Education category.

**Credits: 4**

**Prerequisite:** *Completed General Education Writing requirement*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## LIT 381 African Literature

This course focuses on modern and contemporary African literature. We will examine fiction, drama, and poetry from a variety of Sub-Saharan African locations (such as Nigeria, Zimbabwe, and South Africa). We will discuss several major concerns of African literary studies, concerns that are necessarily interdisciplinary: e.g., the appropriation of the colonizer's language and literary traditions, colonial racism's legacies in the postcolonial era, the role of indigenous thought in modern and contemporary writing, the relationship between the sacred and the secular in African modernity.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## LIT 382 Cultural Trauma and Memory

This course examines how cultural traumas are memorialized in literary and aesthetic texts. We will read key theoretical texts on trauma and memory from various academic disciplines. Drawing on interdisciplinary trauma and memory studies, we will analyze representations of culture trauma in literature, film, or other arts. Topics explored may include genocide and reconciliation, intergenerational memory, insidious and everyday violence, and trauma as experienced within non-Western memory systems.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## LIT 383 Gender and Literature

Variable topic course (to be identified in schedule of classes), including focuses like women writers, gender identity, masculinity.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 385 Folklore

An examination of folklore and folklore techniques in a specific context, such as ballad, legend, etc. or of a specific approach, such as children's folklore, folklore of the Pacific NW, etc., emphasizing the role of folklore in the total study of culture. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 386 Form and Meaning in Film

A study of the distinctive aspects of film as an art and communication form, as embodied in the theory and practice of filmmakers and scholars.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## LIT 387 Mythology: Subtitle based on content

An exploration of a body of myth (topical or geographical) as that mythology is presented and interpreted in poetry, drama, and fiction. Discussion will focus on both the literary value of the works and the way in which they assist in understanding the mythic underpinnings of the originating culture. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## LIT 399 Special Studies

An in-depth study of a special topic in literature as identified in the online course offerings.

May be repeated for up to 8 credits, if content is different.

**Credits: 4-8**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 406 Special Individual Studies

Terms and hours to be arranged. Individual or special studies in a limited area of interest under the guidance of a designated faculty member. May be repeated for up to 12 credits, if content is different.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 407 Seminar

Specific focus will be identified in the online course offerings. May be repeated for up to 8 credits, if

# Course Descriptions

content is different.

**Credits: 4-8**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 418 Topics in Theory and Criticism

Concentrated study of a school or schools of criticism or of a theoretical problem. Readings will include theoretical and practical criticism. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 421 Studies in British Literature

A study of special issues and topics in British literature. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 432 Studies in American Literature

A study of special issues and topics in American literature. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 439 Studies in U.S. Minority Literature

In-depth study of the literature of a specific minority or ethnic group in the U.S., such as African-American, Chicano, etc. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## LIT 443 Studies in World Literatures

In-depth study of literary works outside the European/U.S. tradition, such as African or Asian. Specific focus will be identified in the online course offerings.

May be repeated for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 454 Studies in Continental European Literature

A study of special issues and topics related to literatures of continental Europe. Specific focus will be identified in the online schedule of classes.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 466 Major Figures

An in-depth study of a major figure in literature or of two closely related figures. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## LIT 507 Seminar

Specific focus will be identified in the online course offerings.

May be repeated for up to 8 credits, if content is different.

**Credits: 4-8**

## LIT 518 Topics in Theory and Criticism

Concentrated study of a school or schools of criticism or of a theoretical problem. Readings will include theoretical and practical criticism. Specific focus will be identified in the

online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

## LIT 521 Studies in British Literature

A study of special issues and topics in British literature. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

## LIT 532 Studies in American Literature

A study of special issues and topics in American literature. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

## LIT 539 Studies in U.S. Minority Literature

In-depth study of the literature of a specific minority or ethnic group in the U.S., such as African-American, Chicano, etc. Specific focus will be identified in the online course offerings.

May be repeated once for credit, if content is different.

**Credits: 4**

## LIT 543 Studies in World Literatures

In-depth study of literary works outside the European/U.S. tradition, such as African or Asian. Specific focus will be identified in the online course offerings.

**Credits: 4**

## LIT 554 Studies in Continental European Literature

A study of special issues and topics related to literatures of continental Europe. Specific focus will be identified

# Course Descriptions

in the online schedule of classes.  
May be repeated once for credit, if  
content is different.

**Credits: 4**

## LIT 566 Major Figures

An in-depth study of a major figure in  
literature or of two closely related  
figures. Specific focus will be identified  
in the online course offerings  
May be repeated once for credit, if  
content is different.

**Credits: 4**

## LIT 606 Special Individual Studies

Terms and hours to be arranged.  
Provides graduate students the  
opportunity to study a special or  
individual area of interest under the  
guidance of a designated faculty  
member.  
May be repeated for up to 9 credits, if  
content is different.

**Credits: 1-9**

**Prerequisite:** *Consent of Instructor*

## ML 101 First Year Language Study I

Beginning language study for students  
to acquire listening, speaking, reading  
and writing skills in a non-native  
language. Emphasis is on effective  
communication and cultural  
knowledge.  
May be repeated for credit, if content is  
different.

**Credits: 4**

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 102 First Year Language Study II

Second term of beginning language  
series for students to acquire further  
listening, speaking, reading and writing  
skills and cultural knowledge.  
May be repeated for credit, if content is  
different.

**Credits: 4**

**Prerequisite:** *ML 101 (or equivalent)*

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 103 First Year Language Study III

Final term of beginning language  
series for students to develop greater  
communication skills and cultural  
knowledge.

May be repeated for credit, if content is  
different.

**Credits: 4**

**Prerequisite:** *ML 102 (or equivalent)*

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 199 First Year Foreign Language: Topic

Offers students studying foreign  
languages not currently offered at  
WOU the opportunity to earn credit for  
their efforts.

May be repeated for up to 12 credits.

**Credits: 4-12**

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 201 Second Year Language Study I

Emphasis on increasing mastery of the  
skills taught in first year courses,  
building vocabulary and deepening  
students' understanding of the  
language and culture.

May be repeated for credit, if content is  
different.

**Credits: 4**

**Prerequisite:** *ML 103 (or equivalent)*

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 202 Second Year Language Study II

Consolidating skills taught/reviewed in  
ML 201, building vocabulary and  
deepening students' understanding of  
the language, culture and history.

May be repeated for credit, if content is  
different.

**Credits: 4**

**Prerequisite:** *ML 201 (or equivalent)*

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 203 Second Year Language Study III

Final term of second year sequence  
focuses on building vocabulary,  
mastery of grammatical structures and  
deepening students' understanding of  
culture and history. Prepares students  
for intermediate language study.

May be repeated for credit, if content is  
different.

**Credits: 4**

**Prerequisite:** *ML 202 (or equivalent)*

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 299 Second Year Foreign Language: Topic

Offers students studying foreign  
languages not currently offered at  
WOU the opportunity to earn credit for  
their efforts.

May be repeated for up to 12 credits.

**Credits: 4-12**

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## ML 496 Strategies in Modern Language Teaching

Future public and private school  
teachers of a modern or second  
language will have an opportunity to  
learn about the process of language  
learning and the various methods of  
language teaching.

**Credits: 3-4**

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

## MS 111 Military Science I: Introduction to ROTC

Introduction to ROTC, types of jobs  
available to Army officers, time and  
stress management, drill and  
ceremony, physical fitness, basic rifle  
marksmanship (includes a  
familiarization fire with the M16A2  
rifle), the use of a magnetic compass  
with practical exercises.

**Credits: 1**

**Corequisite:** *MS 111L*

**Satisfactory Grading:** Ineligible for  
the Satisfactory/No Credit grade mode.

# Course Descriptions

## **MS 111L Lab: Military Science I: Introduction to ROTC**

To be taken concurrently with MS 111.

**Credits: 0**

**Corequisite:** MS 111

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 112 Military Science I: Land Navigation and Squad Fundamentals**

Introduction to customs and traditions of the U.S. Army, map reading and land navigation I, tactics I and II, field craft and effective communication with practical exercises. Includes a field-training exercise as an integrated member of a squad.

**Credits: 1**

**Corequisite:** MS 112L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 112L Lab: Military Science I: Land Navigation and Squad Fundamentals**

To be taken concurrently with MS 112.

**Credits: 0**

**Corequisite:** MS 112

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 113 Military Science I: Adventure Training**

Introduction to leadership values and attributes, U.S. weapons, map reading II, with practical exercises. Includes a field-training exercise consisting of negotiating a confidence course, rappelling, urban operations and paintball competition.

**Credits: 1**

**Corequisite:** MS 113L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 113L Lab: Military Science I: Adventure Training**

To be taken concurrently with MS 113.

**Credits: 0**

**Corequisite:** MS 113

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## **MS 118 Military Physical Conditioning**

Designed to prepare Army ROTC students to excel in the Army Physical Fitness Test (APFT). The APFT measures physical endurance in three timed events: two minutes of push-ups, two minutes of sit-ups and the two-mile timed run. Other exercises are included to enhance muscular strength, muscular endurance, cardio respiratory endurance and flexibility. Class is instructed by the Army ROTC Cadre and assisted by the Military Science III Cadets to prepare the MS III's for the Leadership Development and Assessment Course during the summer of their junior year.

May be repeated for up to 12 credits.

MS 118 for ROTC students. PE

118 for non-ROTC students.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 211 Military Science II: American Military**

Introduction to Army values, principles of war, problem-solving, troop leading procedures, basic map reading and land navigation techniques, basic movement techniques at the individual, team and squad levels, battle drills, warrior ethos, effective briefings and communications and basic rifle marksmanship. This class includes a familiarization fire with the M16A2 rifle.

**Credits: 2**

**Corequisite:** MS 211L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 211L Lab: Military Science II: American Military**

To be taken concurrently with MS 211.

**Credits: 0**

**Corequisite:** MS 211

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 212 Military Science II: Fundamentals of Military Operations**

Introduction to patrolling, terrain analysis, map reading, land navigation, route planning, team building, leadership styles and traits, effective Army writing and consideration of others. Includes a field-training exercise as an integrated member of a squad.

**Credits: 2**

**Corequisite:** MS 212L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 212L Lab: Military Science II: Fundamentals of Military Operations**

To be taken concurrently with MS 212.

**Credits: 0**

**Corequisite:** MS 212

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 213 Military Science II: Military Operations**

Introduction to operations orders, examination of effective leadership styles, methods and techniques and offensive and defensive operations. This class includes a field training exercise consisting of squad tactics, military operations in an urban terrain, rappelling and paintball competition.

**Credits: 2**

**Corequisite:** MS 213L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 213L Lab: Military Science II: Military Operations**

To be taken concurrently with MS 213.

**Credits: 0**

**Corequisite:** MS 213

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MS 214 Basic Summer Camp: Leader's Training Course**

Six weeks of leadership training at Fort Knox, Kentucky. Substitute for the first

# Course Descriptions

two years of the ROTC program.  
Summer only.

**Credits: 6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 305 American Military History

Prepares ROTC students to employ critical thinking through the study of American military history and the development of the profession of arms. Covers major military engagements from 1865 through the current operating environment. By analyzing these battles, the student will gain an understanding of how the principles of war are applied and how leadership decisions affected the outcome of the battle.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 311 Military Science III: Adaptive Team Leadership

Study, practice and evaluate tactical operations related to squad tactical operations. Systematic and specific feedback on leadership attributes and actions. Continue to develop leadership and critical thinking abilities. Study of military leadership, management, theory and dynamics of the military team.

Lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Corequisite:** MS 311L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 311L Lab: Military Science III: Adaptive Team Leadership

To be taken concurrently with MS 311.

**Credits: 0**

**Corequisite:** MS 311

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 312 Military Science III: Applied Team Leadership I

Team leadership challenges building cadet awareness and skills in leading

tactical operations at small unit level. Review aspect of full spectrum operations. Conduct military briefings and develop proficiency in operation orders process.

Lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Corequisite:** MS 312L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 312L Lab: Military Science III: Applied Team Leadership I

To be taken concurrently with MS 312.

**Credits: 0**

**Corequisite:** MS 312

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 313 Military Science III: Applied Team Leadership II

Exploring, evaluating and developing skills in decision-making, persuading and motivating team members in contemporary operating environment. Evaluated as leaders, in preparation to attend ROTC summer LDAC.

Lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Corequisite:** MS 313L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 313L Lab: Military Science III: Applied Team Leadership II

To be taken concurrently with MS 313.

**Credits: 0**

**Corequisite:** MS 313

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 314 Advanced Summer Camp: Leader Development and Assessment Course

Practical and theoretical instruction for six weeks at Fort Lewis, Washington. Practical leadership application and experience in a military environment.

**Credits: 6**

**Prerequisite:** MS 311, MS 312 and MS 313

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## MS 405 Special Topics

Terms and hours to be arranged.

May be repeated for up to 15 credits, if content is different.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 411 Military Science IV: Adaptive Leadership

Train, mentor and evaluate underclass cadets. Learn duties and responsibilities of Army staff office and apply processes. Execute and assess battalion training events. Understand and employ risk management process and use soldier fitness program to reduce and manage stress.

Lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Corequisite:** MS 411L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 411L Lab: Military Science IV: Adaptive Leadership

To be taken concurrently with MS 411.

**Credits: 0**

**Corequisite:** MS 411

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 412 Military Science IV: Leadership Ethics

Learn about special trust proposed by U.S. Constitution, Army values and ethics and how to apply to everyday life and contemporary operating environments. Learn officer's role in Uniform Code of Military Justice, counseling subordinates, administrative discipline and separations and methods for officer career management.

Lecture and laboratory.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

**Corequisite:** MS 412L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## MS 412L Lab: Military Science IV: Leadership Ethics

To be taken concurrently with MS 412.

**Credits: 0**

**Corequisite:** MS 412

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 413 Military Science IV: Leadership in Complex World

Explore dynamics of leading soldier's in full spectrum of operations in contemporary operating environment. Examine differences in customs and courtesies, principles of war and rules of engagement in face of terrorism. Develop and present battle analysis. Lecture and laboratory.

**Credits: 3**

**Prerequisite:** Consent of instructor

**Corequisite:** MS 413L

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MS 413L Lab: Military Science IV: Leadership in Complex World

To be taken concurrently with MS 413.

**Credits: 0**

**Corequisite:** MS 413

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 060 Preliminaries to Algebra

Provides pre-algebraic preparation with a focus on algebraic concepts and processes. Provides a solid background in signed numbers, manipulation of elementary algebraic expressions and equation solving. Applications, graphs, functions, formulas and proper mathematical notation are emphasized throughout the course. Describes concepts using verbal, numerical, graphic and symbolic forms. Credits earned apply for enrollment (eligibility) but do not apply toward a degree; satisfies no university or college requirement. Additional fee applies.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 070 Introductory Algebra

Basics of algebra, including arithmetic of signed numbers, order of operations, problem-solving; linear equations verbally, numerically, graphically and symbolically; linear modeling, regression, inequalities and systems; and an introduction to functions. Explores topics using a graphing calculator as well as traditional approaches. Credits earned apply for enrollment (eligibility) but do not apply toward a degree; satisfies no university or college requirement. Additional fee applies.

**Credits: 4**

**Prerequisite:** MTH 060 with a grade of C- or better or satisfactory score on WOU's math placement test

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 095 Intermediate Algebra

Arithmetic of polynomials; quadratic equations verbally, numerically, graphically and symbolically; problem-solving, factoring techniques, graphing linear, exponential, radical and quadratic functions; and solving rational and radical equations. Credits earned apply for enrollment (eligibility) but do not apply toward a degree; satisfies no university or college requirement. Additional fee applies.

**Credits: 4**

**Prerequisite:** MTH 070 with a grade of C- or better or satisfactory score on WOU's math placement test

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 101 Algebraic Foundations

Basics of algebra; topics include equation solving, evaluation and simplification of algebraic expressions, graphing, problem solving and modeling. Focus on linear, quadratic, polynomial, radical and rational functions. This course serves as a prerequisite for MTH 111Z, MTH 211 and MTH 243Z and does not count towards General Education credits.

Three hours of lecture plus two hours of lab.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 105Z Math in Society

An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology. Three hours lecture plus two hours lab.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** Mathematics

## MTH 110 Applied College Mathematics

Study of rates, proportions and percent in applications; investigation into various types of data and ways to describe, represent and analyze data; and study of polynomial, exponential, logarithmic and power families of functions for use in modeling real-world data. Completion of this course does not serve as a prerequisite for any mathematics course other than MTH 243.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** Mathematics

## MTH 111Z Precalculus I: Functions

A course primarily designed for students preparing for trigonometry or calculus. This course focuses on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology.

**Credits: 4**

**Prerequisite:** MTH 095 with a grade of C- or better, or MTH 101 with a grade of C- or better, or satisfactory

# Course Descriptions

score on WOU's math placement test

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Mathematics*

## MTH 112Z Precalculus II:

### Trigonometry

A course primarily designed for students preparing for calculus and related disciplines. This course explores trigonometric functions and their applications as well as the language and measurement of angles, triangles, circles, and vectors. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology.

**Credits:** 4

**Prerequisite:** MTH 111Z with grade of C- or better or satisfactory score on WOU's math placement test

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Mathematics*

## MTH 199 Special Studies:

### Mathematics

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits:** 1-6

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 211 Foundations of Elementary Mathematics I

Intended for prospective elementary or middle school teachers. Introduction to problem-solving, set theory, whole number operations, number theory and integer operations.

Three-hour lecture plus two-hour lab. Does not apply toward a math major/minor.

**Credits:** 4

**Prerequisite:** MTH 095 with a grade of C- or better, or MTH 101 with a grade of C- or better, or satisfactory score on WOU's math placement test

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Mathematics*

**Note:** To meet the General Education

Foundations Mathematics requirement complete MTH 211 and MTH 212.

## MTH 212 Foundations of Elementary Mathematics II

Intended for prospective elementary or middle school teachers. Operations with fractions and decimals, percentage, ratio and proportion, real numbers. Introduction to probability and statistics.

Three-hour lecture plus two-hour laboratory.

Does not apply toward a math major/minor.

**Credits:** 4

**Prerequisite:** MTH 211 with a grade of C- or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Mathematics*

**Note:** To meet the General Education Foundations Mathematics requirement complete MTH 211 and MTH 212.

## MTH 213 Foundations of Elementary Mathematics III

Intended for prospective elementary or middle school teachers. Introduction to geometric figures, congruence and similarity, measurement (area, perimeter, volume and surface area). Three-hour lecture plus two-hour laboratory.

Does not apply toward a math major/minor.

**Credits:** 4

**Prerequisite:** MTH 212 with a grade of C- or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 231 Elements of Discrete Mathematics I

Topics include sets, set operations, elementary symbolic logic, proof techniques and study of polynomial, rational and power functions.

Does not apply toward a math major/minor.

**Credits:** 4

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Mathematics*

## MTH 232 Elements of Discrete Mathematics II

Topics include study of exponential, logarithmic and discrete functions, analysis of algorithms, sequences and strings, enumeration, matrix algebra and systems of linear equations. Three-hour lecture plus one-hour laboratory.

Does not apply toward a math major/minor.

**Credits:** 4

**Prerequisite:** MTH 231 with a grade of C or better

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 241 Calculus for Social Science I

Differential calculus with emphasis on applications and model building in business and social science. Does not apply toward a math major/minor.

**Credits:** 4

**Prerequisite:** MTH 111Z with a grade of C- or better

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 242 Calculus for Social Sciences II

Integral and multivariate calculus with emphasis on applications and model building in business and social science.

Does not apply toward a math major/minor.

**Credits:** 4

**Prerequisite:** MTH 241 with a grade of C- or better

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 244 Introduction to Probability and Statistics II

A second course in statistics open to all majors covering testing two-sample problems, linear regression and correlation, chi-squared goodness of fit tests, one-way and two-way analysis of variance.

Does not apply toward a math major/minor.

# Course Descriptions

**Credits:** 4

**Prerequisite:** *MTH 243Z with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 251 Calculus I

Differential calculus of functions of a single variable, including transcendental functions.

**Credits:** 4

**Prerequisite:** *MTH 112Z with grade of C- or better or satisfactory score on WOU's math placement test*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Mathematics*

## MTH 252 Calculus II

Integral calculus of functions of a single variable, with applications. The Fundamental Theorem of Calculus.

**Credits:** 4

**Prerequisite:** *MTH 251 with a grade of C- or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 253 Calculus III: Sequences and Series

Convergence and divergence of sequences, L'Hopital's rule, infinite series, convergence tests, Taylor's Theorem with remainder, power series, binomial series, applications.

**Credits:** 4

**Prerequisite:** *MTH 252 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 254 Multivariate Calculus

Elementary vector algebra. Curves in space. Differential and integral calculus of functions of several variables and applications.

**Credits:** 4

**Prerequisite:** *MTH 252 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 280 Introduction to Proof

An introduction to basic proof strategies and elementary logic. Elementary set and function theory.

**Credits:** 4

**Prerequisite:** *MTH 112Z or MTH 231 or MTH 251 or MTH 252 or PHL 103 all with a grade of C- or better or satisfactory score on WOU's placement exam.*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 308 Computational Linear Algebra

A course in the techniques and applications of linear algebra in the field of data science. The core topics include solving systems of linear equations, eigenvalues and eigenvectors, matrix decomposition, the pseudoinverse and least squares approximations, and the singular value decomposition. Theory is supplemented with extensive applications and computer programming.

**Credits:** 4

**Prerequisite:** *MTH 243Z or MTH 365 with a grade of C- or better, and CS 133 or CS 161 with a grade of C or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 311 Advanced Calculus I

A rigorous introduction to analysis. The topology of Euclidean spaces. Completeness, compactness. The Bolzano-Weierstrass Theorem. Limits of sequences and functions. Continuity, uniform continuity. Uniform convergence.

**Credits:** 4

**Prerequisite:** *MTH 341 and at least one of the following: MTH 337, MTH 346, MTH 355, or MTH 441 with a grade of C- or better. (MTH 344 is strongly recommended)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 312 Advanced Calculus II

A rigorous introduction to differential and integral analysis of functions of one variable. The Mean Value

Theorem, Taylor's Theorem, the Riemann integral and the Fundamental Theorem of Calculus.

**Credits:** 4

**Prerequisite:** *MTH 311 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 313 Advanced Calculus III

Treatment of the differential and integral calculus of functions of several variables. Inverse Function Theorem, the Implicit Function Theorem, Lagrange's method of constrained optimization. Representation of functions by infinite series, power series and integrals.

**Credits:** 4

**Prerequisite:** *MTH 312 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 314 Differential Equations

Introduction to methods of solutions of first and second order differential equations. Linear and nonlinear equations, series solutions, applications.

**Credits:** 4

**Prerequisite:** *MTH 252 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 337 Geometry

Rigorous treatment of geometry with topics selected from Euclidean, non-Euclidean, spherical, analytic or transformational geometry.

**Credits:** 4

**Prerequisite:** *MTH 232 with a grade of C+ or better, or MTH 280 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 341 Linear Algebra I

Vector algebra and geometry of 3-space, systems of linear equations, Gaussian elimination, real vector spaces, determinants, linear transformations.

**Credits:** 4

**Prerequisite:** *MTH 232 with a grade*



# Course Descriptions

of C+ or better (MTH 232 can be taken concurrently), *MTH 280 with a grade of C- or better (MTH 280 can be taken concurrently)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 344 Group Theory

An introduction to the theory of groups. Lagrange's Theorem, normal subgroups, homomorphism and the isomorphism theorems.

**Credits: 4**

**Prerequisite:** *MTH 341 and at least one of the following: MTH 337, MTH 346, MTH 355 or MTH 441 with grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 345 Ring Theory

An introduction to the theory of rings and fields.

**Credits: 4**

**Prerequisite:** *MTH 344 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 346 Number Theory

Properties of integers. The division and Euclidean algorithms, Diophantine equations, prime numbers, congruencies and residues.

**Credits: 4**

**Prerequisite:** MTH 232 with a grade of C+ or better, or *MTH 280 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 351 Introduction to Numerical Analysis

Computer representation of numbers, error analysis, root finding, interpolation, approximation of functions, numerical integration and differentiation.

**Credits: 4**

**Prerequisite:** *MTH 341 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 354 Applied Discrete Mathematics

Topics include recurrence relations, graph theory, network models and combinatorial circuits.

**Credits: 4**

**Prerequisite:** *MTH 232 or MTH 252 with a grade of C or better*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MTH 355 Discrete Mathematics

Sets, relations, functions, enumeration, mathematical induction, graph theory.

**Credits: 4**

**Prerequisite:** MTH 232 with a grade of C+ or better, or *MTH 280 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 358 Mathematical Modeling

Construction, analysis and interpretation of a variety of mathematical models that arise from real-world problems.

**Credits: 4**

**Prerequisite:** *MTH 254 and MTH 341 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 363 Operations Research

Optimization of functions with linear constraints, convex sets, the simplex method and applications, duality; two-person matrix games.

**Credits: 4**

**Prerequisite:** *MTH 341 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 365 Mathematical Probability

Probability theory developed through moment generating functions. Random variables, classical probability distributions.

**Credits: 4**

**Prerequisite:** *MTH 252 with a grade of C- or better; recommended MTH 253 or MTH 254*

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

## MTH 366 Mathematical Statistics

Theory of point and interval estimation, hypothesis and significance testing.

**Credits: 4**

**Prerequisite:** *MTH 365 with grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 392 College Algebra for Elementary and Middle School Teachers

Enhancement of algebraic skills via problem solving and the visual representation and use of algebraic methods. Integer arrays, algebraic patterns, linear equations, quadratic equations, and graphing.

Two hours of lecture plus two hours of laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211 and MTH 212 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 393 Probability & Statistics for Elementary and Middle School Teachers

Using basic elements of probability and statistics to solve problems involving the organization, description and interpretation of data. Concrete application will be explored. Students may not take both MTH 393 and MTH 493 for their undergraduate program. Two hours of lecture plus two hours of laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211 and MTH 212 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 394 Introduction to Geometry for Elementary Teachers

Examination of intuitive geometry

# Course Descriptions

including construction, basic Euclidean geometry, proof and measure. Two-hour lecture plus two-hour laboratory. Students may not take both MTH 394 and MTH 494 for their undergraduate program.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 396 Elementary Problem Solving

Mathematical problem-solving, techniques and materials helpful in improving student problem-solving abilities, mentoring of elementary and middle school students in problem-solving processes.

Two-hour lecture plus two-hours laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 397 Secondary Problem Solving

Techniques for posing and solving mathematical problems. Critical analysis of student solutions. Intended for secondary mathematics teachers. Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 341 and MTH 337*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 398 Discrete Mathematics for Elementary and Middle School Teachers

Explores topics in discrete mathematics including set theory, enumeration and graph theory. Techniques in enumeration include the multiplication rule, combinations and permutations. Topics in graph theory include coloring, the traveling

salesman problem and spanning trees. Two-hour lecture plus two-hours laboratory.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 401 Introduction to Senior Project

Terms to be arranged during final year of study.

Eligible for the RP grade option.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 402 Independent Study

Terms and hours to be arranged.

May be repeated for credit.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 403 Mathematics Senior Capstone

Students will complete a research project on an advanced topic of their choice. Terms to be arranged with an instructor.

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1-8**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 404 Senior Project II

Continuation of MTH 403.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *MTH 403 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 406 Special Topics in Mathematics

Special topics in mathematics for advanced undergraduate students. Students will be expected to complete

a research project.

May be repeated four times for credit.

**Credits: 4**

## MTH 409 Practicum; Work Experience; Internship

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 411 Mathematics Education Capstone I

Terms to be arranged before entering the Education Program.

Eligible for the RP grade option.

**Credits: 2**

**Corequisite:** *May be taken concurrently with MTH 412*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 412 Mathematics Education Capstone II

Terms to be arranged before entering the Education program.

Eligible for the RP grade option.

**Credits: 2**

**Corequisite:** *May be taken concurrently with MTH 411*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 413 Economics and Mathematics Capstone I

Terms to be arranged during final year of study.

Eligible for the RP grade option.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 414 Economics and Mathematics Capstone II

Terms to be arranged during final year of study.

Eligible for the RP grade option.

**Credits: 2**

**Prerequisite:** *MTH 413 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the

# Course Descriptions

Satisfactory/No Credit grade mode.

## MTH 416 Complex Analysis

The analysis of functions of a single complex variable. Conformal mappings, Cauchy's Theorem, Cauchy's Integral Formula, power series expansions of analytic functions.

**Credits: 4**

**Prerequisite:** *MTH 344 with a grade of C- or better or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 441 Linear Algebra II

Complex vector spaces, linear transformations, canonical forms, the spectral theorem and eigenvalue problems, applications. Students enrolled in MTH 541 will be expected to complete a graduate project.

**Credits: 4**

**Prerequisite:** *MTH 341 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 451 Numerical Analysis

Introduction to numerical linear algebra, elements of approximation theory including data fitting. Theoretical foundations of numerical analysis.

**Credits: 4**

**Prerequisite:** *MTH 311 and MTH 351 with a grade of C- or better*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 472 History of Mathematics

The history of mathematics from ancient to modern times. The effect of mathematics on the development of science. The interaction of mathematics with other fields of human endeavor such as philosophy, arts and social values.

**Credits: 4**

**Prerequisite:** *consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 481 Research

Terms and hours to be arranged.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 489 Algebraic Structures for Middle School Teachers

Study of integers and algebraic skills; solving linear and quadratic equations, inequalities, functions, graphing and complex numbers. Connection of visual methods (using Math in the Mind's Eye curriculum) to the NCTM standards with extensive use of group activities and hands-on models.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 491 Historical Topics In Mathematics for Middle School Teachers

Survey of the historical development of topics in mathematics from ancient to modern times, with special emphasis on topics in arithmetic, algebra and informal geometry.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 492 Abstract Algebra for Middle School Teachers

An introduction to abstract mathematics as a structured mathematical systems. This course will explore number sets and properties and beginning group theory with concrete applications for the elementary and middle school classroom.

Two hours of lecture plus two hours of

laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 396 with a grade of C- or better or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 493 Experimental Probability and Statistics for Middle School Teachers

The study of data collection and hypothesis testing through laboratory experiments, simulations and applications. The use of technology will be an important part of the data collection and analysis. Students may not take both MTH 393 and MTH 493 for their undergraduate program.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 494 Geometry for Middle School Teachers

Selected topics in informal geometry through the use of discovery and technology. The studies in how students learn geometry will be used in the development of geometric ideas. Students may not take both MTH 394 and MTH 494 for their undergraduate program.

Two hours of lecture plus two hours laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 396 with a grade of C- or better or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 495 Calculus Concepts for Middle School Teachers

An introduction to the theory of functions of one real variable, the derivative and its applications to optimization, integration theory and its applications to areas and volumes, the Fundamental Theorem of Calculus and

# Course Descriptions

infinite series. A hands-on approach with applications to the middle school curriculum.

Two hours of lecture plus two hours of laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 111Z or MTH 392 with a grade of C- or better and MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 496 Problem-Solving for Middle School Teachers

Assists middle school teachers in becoming better mathematical problem solvers. Focuses on general problem-solving techniques, introduces techniques and materials helpful in improving student problem solving abilities and suggests ways to organize the curriculum to meet problem-solving goals.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 497 Discrete Mathematics for Middle School Teachers

Explores topics of logical operators and sets, experimental vs theoretical probability, the multiplication rule, permutations and combinations and an introduction to graph theory.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 499 Algebraic Problem-Solving for Middle School Teachers

Assists middle school teachers in becoming better mathematical problem

solvers. Focuses on algebraic problem-solving techniques, introduces materials helpful in improving student problem-solving abilities and suggests ways to organize the curriculum to achieve problem-solving goals.

Does not apply toward a math major/minor.

**Credits: 3**

**Prerequisite:** *MTH 211, MTH 212 and MTH 213, all with a grade of C- or better, or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MTH 502 Independent Study

Terms and hours to be arranged.

May be repeated for credit.

**Credits: 1-8**

## MTH 509 Practicum; Work Experience; Internship

Terms and hours to be arranged.

May be repeated for credit.

**Credits: 1-8**

## MTH 541 Linear Algebra II

Complex vector spaces, linear transformations, canonical forms, the spectral theorem and eigenvalue problems, applications. Students enrolled in MTH 541 will be expected to complete a graduate project.

**Credits: 4**

**Prerequisite:** *MTH 341 with a grade of C- or better*

## MTH 589 Algebraic Structures for Middle School Teachers

Study of integers and algebraic skills; solving linear and quadratic equations, inequalities, functions, graphing and complex numbers. Connection of visual methods (using Math in the Mind's Eye curriculum) to the NCTM standards with extensive use of group activities and hands-on models.

Does not apply toward a math major/minor.

**Credits: 3**

## MTH 591 Historical Topics In Mathematics for Middle School Teachers

Survey of the historical development of topics in mathematics from ancient to modern times, with special emphasis on topics in arithmetic, algebra and informal geometry.

Does not apply toward a math major/minor.

**Credits: 3**

## MTH 592 Abstract Algebra for Middle School Teachers

An introduction to abstract mathematics as a structured mathematical systems. This course will explore number sets and properties and beginning group theory with concrete applications for the elementary and middle school classroom.

Two hours of lecture plus two hours of laboratory.

Does not apply toward a math major/minor.

**Credits: 3**

## MTH 593 Experimental Probability and Statistics for Middle School Teachers

The study of data collection and hypothesis testing through laboratory experiments, simulations and applications. The use of technology will be an important part of the data collection and analysis. Students may not take both MTH 393 and MTH 493 for their undergraduate program. Does not apply toward a math major/minor.

**Credits: 3**

## MTH 594 Geometry for Middle School Teachers

Selected topics in informal geometry through the use of discovery and technology. The studies in how students learn geometry will be used in the development of geometric ideas. Students may not take both MTH 394 and MTH 494 for their undergraduate program. Two hours of lecture plus two hours

# Course Descriptions

laboratory.  
Does not apply toward a math major/minor.  
**Credits: 3**

## **MTH 595 Calculus Concepts for Middle School Teachers**

An introduction to the theory of functions of one real variable, the derivative and its applications to optimization, integration theory and its applications to areas and volumes, the Fundamental Theorem of Calculus and infinite series. A hands-on approach with applications to the middle school curriculum.  
Two hours of lecture plus two hours of laboratory.  
Does not apply toward a math major/minor.  
**Credits: 3**

## **MTH 596 Problem-Solving for Middle School Teachers**

Assists middle school teachers in becoming better mathematical problem solvers. Focuses on general problem-solving techniques, introduces techniques and materials helpful in improving student problem solving abilities and suggests ways to organize the curriculum to meet problem-solving goals.  
Does not apply toward a math major/minor.  
**Credits: 3**

## **MTH 597 Discrete Mathematics for Middle School Teachers**

Explores topics of logical operators and sets, experimental vs theoretical probability, the multiplication rule, permutations and combinations and an introduction to graph theory.  
Does not apply toward a math major/minor.  
**Credits: 3**

## **MTH 599 Algebraic Problem-Solving for Middle School Teachers**

Assists middle school teachers in becoming better mathematical problem solvers. Focuses on algebraic

problem-solving techniques, introduces materials helpful in improving student problem-solving abilities and suggests ways to organize the curriculum to achieve problem-solving goals.  
Does not apply toward a math major/minor.  
**Credits: 3**

## **MTH 601 Research**

Terms and hours to be arranged.  
May be repeated for credit.  
**Credits: 1-9**

## **MTH 602 Independent Study**

Terms and hours to be arranged.  
May be repeated for credit.  
**Credits: 1-6**

## **MTH 609 Practicum; Work Experience; Internship**

Terms and hours to be arranged.  
May be repeated for credit.  
**Credits: 1-6**

## **MTH 611 Counting and Whole Number Operations: K-8 Learning and Teacher Practices**

Deep exploration into the teaching and learning of counting, whole number operations. Investigation of the learning trajectory of number and operations throughout the K-8 curriculum and instruction and activities based on effective standards for mathematical practice will be emphasized. Also deepening the candidate's understanding of the mathematics and specialized content knowledge related to the teaching of number and operations as outlined in the Common Core State Standards for grades K-8.  
**Credits: 3**

## **MTH 612 Fractions and Proportions: K-8 Learning and Teacher Practices**

Deep exploration into the teaching and learning of number and operations with fractions and proportions. Investigation

of the learning trajectory of fractions and proportions throughout the K-8 curriculum and instruction and activities based on effective standards for mathematical practice will be emphasized. Also deepening the candidate's understanding of the mathematics and specialized content knowledge related to the teaching of fractions and proportions as outlined in the Common Core State Standards for grades K-8.  
**Credits: 3**

## **MTH 613 Geometry and Measurement: K-8 Learning and Teacher Practices**

Deep exploration into the teaching and learning of geometry and measurement in grades K-8. Investigation of the learning trajectory of geometry and measurement throughout the K-8 curriculum and instruction and activities based on effective standards for mathematical practice will be emphasized. Also deepening the candidate's understanding of the mathematics and specialized content knowledge related to the teaching of geometry and measurement as outlined in the Common Core State Standards for grades K-8.  
**Credits: 3**

## **MTH 614 Statistics and Probability: K-8 Learning and Teacher Practices**

Deep exploration into the teaching and learning of elementary statistics and probability in grades K-8. Investigation of the learning trajectory of elementary statistics and probability throughout the K-8 curriculum and instruction and activities based on effective standards for mathematical practice will be emphasized. Also deepening the candidate's understanding of the mathematics and specialized content knowledge related to the teaching of statistics and probability as outlined in the Common Core State Standards for grades K-8.  
**Credits: 3**

# Course Descriptions

## MTH 615 Patterns and Algebraic Thinking: K-8 Learning and Teacher Practices

Deep exploration into the teaching and learning of patterns and algebraic thinking in grades K-8. Investigation of the learning trajectory of patterns and algebraic thinking throughout the K-8 curriculum and instruction and activities based on effective standards for mathematical practice will be emphasized. Also deepening the candidate's understanding of the mathematics and specialized content knowledge related to the teaching of patterns and algebraic thinking as outlined in the Common Core State Standards for grades K-8.  
**Credits: 3**

## MTH 616 Algebra and Functions: K-8 Learning and Teacher Practices

Deep exploration into the teaching and learning of algebraic thinking with an emphasis on functions in grades K-8. Investigation of the learning trajectory of algebra and functions throughout the K-8 curriculum and instruction and activities based on effective standards for mathematical practice will be emphasized. Also deepening the candidate's understanding of the mathematics and specialized content knowledge related to the teaching of algebra and functions as outlined in the Common Core State Standards for grades K-8.  
**Credits: 3**

## MTH 621 Number and Operations for K - 8 Teachers

Exploring and understanding the foundations and properties of arithmetic operations, place value, number comparisons and equivalences.  
**Credits: 3**  
**Prerequisite:** Graduate admission to WOU

## MTH 622 Decimals and Data for K-8 Teachers

Exploring and understanding decimal

models and operations, and the foundations of data collection and display.  
**Credits: 3**  
**Prerequisite:** Graduate admission to WOU

## MTH 623 Geometry for K - 8 Teachers

Exploring and understanding the structure and composition of two-dimensional and three-dimensional geometry.  
**Credits: 3**  
**Prerequisite:** Graduate admission to WOU

## MUE 201 Introduction to Music Education

Provide students with overview of principles, theories, philosophies, and practices of music education in today's schools. This course includes observation of regular classrooms and music instruction at all levels of K-12 education.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 250 Music Education Seminar

In this course, students will meet to discuss contemporary topics related to K-12 music education. This will include topics and demonstrations related to pedagogy, classroom management, best practices, current issues in music education and more.  
May be repeated nine times for credit. Pass-No Credit (P/NC) grading only.  
**Credits: 0**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 318 Music for the Classroom Teacher

Music activities, materials and curriculum for the early childhood and elementary classroom teacher. No previous musical training is required; however, skills such as those developed in musicianship (MUS 111 or 111), class piano or class voice will enable students to gain greater

insight into the processes discussed and practiced in this class.  
**Credits: 3**  
**Prerequisite:** 2.6 GPA and declared education major  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 320 Introduction to Orff-Schulwerk

An introduction to teaching music to children using ideas and instruments developed by composer Carl Orff. This comprehensive approach is useful for classroom teachers as well as music specialists and focuses on experiential learning. Previous music experience is helpful but not required.  
**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MUE 399 Special Studies

May be repeated for up to 16 credits.  
**Credits: 1-3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 401 Music in Early Childhood

An exploration of principles, methods, and materials for teaching young children (ages 0-5) music through process-orientated experiences to support divergent thinking.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 402 Mariachi Pedagogy & Literature

This course will explore mariachi ensemble literature for K-12 school mariachi programs and effective mariachi rehearsal techniques. Topics will include: age appropriate literature, arranging techniques, conducting, lesson plan creation, ensemble setup, rehearsal pacing, error detection/correction, programming, and performance techniques for mariachi ensembles in the K-12 music classroom.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for

# Course Descriptions

the Satisfactory/No Credit grade mode.

## MUE 425 Orff-Schulwerk Level I

Intensive two-week course offered summers only, exploring a comprehensive approach to teaching music and movement to children. The first of three levels leading to certification by the American Orff-Schulwerk Association (AOSA). Recommended for elementary education students with an emphasis area in music and for M.S. in Education students with a content area in creative arts or interdisciplinary studies.

**Credits: 6**

**Prerequisite:** *MUS 111* , *MUS 111* or *the ability to read music notation*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MUE 427 Choral Methods

For those planning a career in choral music education. Addresses rehearsal planning and pacing, age and ability-specific repertoire, historically accurate performance practice, authentic performance practice in a variety of ethnic and regional styles, sight-reading, vocal production, all aspects of concert planning and budget preparation.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 434 Elementary Music Methods and Content Pedagogy

Part of a two-course sequence with MUE 436/MUE 536, this course is designed to emphasize elementary music education content knowledge, application of content, planning for instruction and instructional strategies to improve K-12 grade learning, including students of diverse backgrounds and needs.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 436 Secondary Music Methods and Content Pedagogy

This course will introduce students to a

wide range of principles, concepts, techniques and practices currently being used successfully in secondary (grades 6-12) music ensembles (choral and instrumental) including overall program goals and organization, pedagogically sound teaching practices, recruiting, scheduling, administration, classroom management, curriculum design, unit and lesson planning, evaluation, rehearsal room organization, and pacing.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 451 Woodwind Pedagogy

Focus on learning how to teach woodwind instruments at the beginning and intermediate levels. Topics include proper embouchure, basic fingerings, published teaching materials and rehearsal techniques.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 452 Brass Techniques

Learn basic playing and teaching techniques on brass instruments. Provide basic information and skills for students who anticipate pursuing licensure to teach band or orchestra. Students will learn to play trumpet, horn, trombone and tuba with emphasis on correct fundamental concepts embouchure, tone and hand position.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 453 Percussion Techniques

Learn basic playing and teaching techniques on percussion instruments. Provide basic information and skills for students who anticipate pursuing licensure to teach band. Students will learn to play snare drum, timpani, marimba and traps with emphasis on correct fundamental concepts, tone and hand position.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 454 String Techniques

Learn basic playing and teaching techniques on string instruments. Provide basic information and skills for students who anticipate pursuing licensure to teach band or orchestra. Students will learn to play violin, viola, cello and bass with emphasis on correct fundamental concepts, tone and hand position.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUE 501 Music in Early Childhood

An exploration of principles, methods, and materials for teaching young children (ages 0-5) music through process-orientated experiences to support divergent thinking.

**Credits: 3**

## MUE 525 Orff-Schulwerk Level I

Intensive two-week course offered summers only, exploring a comprehensive approach to teaching music and movement to children. The first of three levels leading to certification by the American Orff-Schulwerk Association (AOSA). Recommended for elementary education students with an emphasis area in music and for M.S. in Education students with a content area in creative arts or interdisciplinary studies.

**Credits: 6**

**Prerequisite:** *MUS 111* , *MUS 111* or *the ability to read music notation*

## MUE 527 Choral Methods

For those planning a career in choral music education. Addresses rehearsal planning and pacing, age and ability-specific repertoire, historically accurate performance practice, authentic performance practice in a variety of ethnic and regional styles, sight-reading, vocal production, all aspects of concert planning and budget preparation.

**Credits: 3**

# Course Descriptions

## MUE 534 Elementary Music Methods and Content Pedagogy

Part of a two-course sequence with MUE 436/MUE 536, this course is designed to emphasize elementary music education content knowledge, application of content, planning for instruction and instructional strategies to improve K-12 grade learning, including students of diverse backgrounds and needs.

**Credits: 3**

## MUE 536 Secondary Music Methods and Content Pedagogy

This course will introduce students to a wide range of principles, concepts, techniques and practices currently being used successfully in secondary (grades 6-12) music ensembles (choral and instrumental) including overall program goals and organization, pedagogically sound teaching practices, recruiting, scheduling, administration, classroom management, curriculum design, unit and lesson planning, evaluation, rehearsal room organization, and pacing.

**Credits: 3**

## MUE 551 Woodwind Pedagogy

Focus on learning how to teach woodwind instruments at the beginning and intermediate levels. Topics include proper embouchure, basic fingerings, published teaching materials and rehearsal techniques.

**Credits: 2**

## MUE 552 Brass Techniques

Learn basic playing and teaching techniques on brass instruments. Provide basic information and skills for students who anticipate pursuing licensure to teach band or orchestra. Students will learn to play trumpet, horn, trombone and tuba with emphasis on correct fundamental concepts embouchure, tone and hand position.

**Credits: 2**

## MUE 553 Percussion Techniques

Learn basic playing and teaching techniques on percussion instruments. Provide basic information and skills for students who anticipate pursuing licensure to teach band. Students will learn to play snare drum, timpani, marimba and traps with emphasis on correct fundamental concepts, tone and hand position.

**Credits: 2**

## MUE 554 String Techniques

Learn basic playing and teaching techniques on string instruments. Provide basic information and skills for students who anticipate pursuing licensure to teach band or orchestra. Students will learn to play violin, viola, cello and bass with emphasis on correct fundamental concepts, tone and hand position.

**Credits: 2**

## MUEN 101 Concert Choir

WOU's largest choir. Studies and performs a wide variety of choral literature from all historic periods and styles. One concert performance with different repertoire each term. Freshmen and sophomores register for MUEN 101; juniors and seniors register for MUEN 301; graduate students register for MUEN 501. Open to singers with previous choral experience.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 102 Chamber Singers

Highly select group of 28 to 32 singers who perform an extensive repertoire of choral chamber works ranging from madrigals to newly composed pieces. Performs in choral concert each term, appears frequently on campus and travels extensively. Freshmen and sophomores register for MUEN 102; juniors and seniors register for MUEN 302; graduate students register for MUEN 502. Open only to singers with

high level of experience.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 103 University Band

Rehearses and performs music of superior artistic quality but moderate technical demands. Presents a concert near the end of each term. No audition required. Freshmen and sophomores register for MUEN 103 Juniors and seniors register for MUEN 303.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 111 Western Oregon Symphony

Fully instrumented symphony orchestra including strings, woodwinds, brass and percussion. Performance literature is drawn from the standard symphonic repertoire and the best contemporary works, including newly composed and commissioned works. Presents a concert each term. Freshmen and sophomores register for MUEN 111; juniors and seniors register for MUEN 311; graduate students register for MUEN 511.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 112 Wind Ensemble

Most advanced symphonic woodwind, brass and percussion group. Repertoire includes the best contemporary and traditional literature for symphonic band, wind ensemble and wind symphony, including newly composed and commissioned works. Presents a concert each term. Freshmen and sophomores register for



# Course Descriptions

MUEN 112; juniors and seniors register for MUEN 312; graduate students register for MUEN 512. May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 113 Early Music Ensemble

Made up of vocalists and instrumentalists who perform Western European Art Music from the Middle Ages through the Enlightenment. Freshmen and sophomores register for MUEN 113; juniors and seniors register for MUEN 313; graduate students register for MUEN 513. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 115 Mariachi Ensemble

The Mariachi Ensemble includes rehearsal and performance of music in the Mariachi tradition with an emphasis on its historical and cultural development. First and second-year students register for MUEN 115; third-year students and beyond register for MUEN 315.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 120 Chamber Ensemble

A small ensemble of like or mixed instruments dedicated to a particular repertoire. Freshmen and sophomores register for MUEN 120; juniors and seniors register for MUEN 320; graduate students register for MUEN 520.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 121 Brass Chamber Ensemble

Performs standard repertoire for various brass chamber groups, including brass quintet and octet. Freshmen and sophomores register for MUEN 121; juniors and seniors register for MUEN 321; graduate students register for MUEN 521. May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 122 Salem Pops Orchestra

An orchestral ensemble experience (strings, winds, brass, and percussion) in cooperation with the Salem Pops Orchestra. Freshmen and sophomores register for MUEN 122; juniors and seniors register for MUEN 322. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 123 Woodwind Chamber Ensemble

Focuses on music for a standard small woodwind ensemble, such as woodwind quintet, saxophone quartet, clarinet choir or flute choir. Freshmen and sophomores register for MUEN 123; juniors and seniors register for MUEN 323; graduate students register for MUEN 523.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 124 Piano Chamber Ensemble

A small ensemble with piano that may include any combination of instruments and/or vocalists. Freshmen and sophomores register for MUEN 124; juniors and seniors register for MUEN 324; graduate students register for

MUEN 524.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 141 Percussion Ensemble

Studies and performs contemporary works written for orchestral percussion instruments. It also addresses vernacular traditions such as Afro-Cuban drumming, Caribbean steel drums and hand drums. Freshmen and sophomores register for MUEN 141; juniors and seniors register for MUEN 341; graduate students register for MUEN 541.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 142 New Music Ensemble

Performs new works by living composers with special emphasis on works by WOU composition students. The ensemble is composed of acoustic and electronic instruments and incorporates vocal and inter-media elements. Freshmen and sophomores register for MUEN 142; juniors and seniors register for MUEN 342; graduate students register for MUEN 542.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 143 Guitar Ensemble

Performs a variety of musical styles ranging from 21st century improvisational music to Black Sabbath. This ensemble is for advanced players only. Freshmen and sophomores register for MUEN 143; juniors and seniors register for MUEN 343; graduate students register for MUEN 543.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

# Course Descriptions

## MUEN 151 Opera Scenes: Vocal

Vocal students may participate in productions of scenes from great operas. Freshmen and sophomores register for MUEN 151; juniors and seniors register for MUEN 351; graduate students register for MUEN 551.

May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 152 Opera Scenes: Instrumental

Instrumental students may participate in productions of scenes from great operas. Freshmen and sophomores register for MUEN 152; juniors and seniors register for MUEN 352; graduate students register for MUEN 552.

May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 153 Musical Theatre: Vocal

Musical theater production. Evening rehearsals during winter term, performances at conclusion of term. Freshmen and sophomores register for MUEN 153; juniors and seniors register for MUEN 353; graduate students register for MUEN 553. May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 154 Musical Theatre: Instrumental

Selection by professor recommendation to pit orchestra for winter term musical. Freshmen and sophomore register for MUEN 154, juniors and seniors register for MUEN 354; graduate students register for MUEN 554.

May be repeated for credit.

**Credits: 1-3**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 161 Western Oregon Voices

The Western Oregon Voices is a group of vocalists, with the addition of rhythm, horn, and string sections as needed to accommodate each term's featured repertoire. The group performs and records vocal ensemble music from various American Vernacular Music styles including Jazz, Pop, Rock, Rhythm and Blues, Soul, Motown, and American Popular Song. Freshmen and sophomore register for MUEN 161, juniors and seniors register for MUEN 361; graduate students register for MUEN 561.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 162 Jazz Orchestra

Dedicated to performing and recording improvised and written music from the vernacular styles of North and South America. Concerts range from Dixieland to fusion, from jump blues to funk and from choro to samba. Freshmen and sophomores register for MUEN 162; juniors and seniors register for MUEN 362; graduate students register for MUEN 562. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 163 Latin Jazz

Ensemble dedicated to the performance of Brazilian music. Concerts may focus on a particular artist, such as Pixinguinha, Cartola, Jobim or Ivan Lins; a single musical genre, such as choro, samba, bossa nova or MPB; or a historical period.

Freshmen and sophomore register for MUEN 163, juniors and seniors register for MUEN 363; graduate students register for MUEN 563. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 170 Combo

A small ensemble that typically includes a rhythm section and one or more single-line instruments or singers. Freshmen and sophomore register for MUEN 170, juniors and seniors register for MUEN 370; graduate students register for MUEN 570.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 171 Jazz Repertoire Combo

Course studies material from the rich repertoire of jazz literature from 1930 to the present, with an emphasis on memorization and live performance. Analysis of performance practice and historical context is included. Freshmen and sophomore register for MUEN 171, juniors and seniors register for MUEN 371; graduate students register for MUEN 571. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 172 Hemisphere Combo

Focuses on the performance of original compositions, as well as arrangements that fit the theme of the Western Hemisphere Orchestra concert each term. Freshmen and sophomore register for MUEN 172, juniors and seniors register for MUEN 372; graduate students register for MUEN 572.

# Course Descriptions

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 173 Singer/Songwriter Combo

Designed for students who sing, write songs, and/or wish to develop their ability to make music in a small group that includes a singer. Repertoire may include original works, jazz standards, country music selections and/or songs from other popular music genres. Freshmen and sophomore register for MUEN 173, juniors and seniors register for MUEN 373; graduate students register for MUEN 573.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 190 Ensemble

Ad-hoc ensemble formulated for a particular term and/or a particular project that cannot be obtained through established ensembles. Freshmen and sophomore register for MUEN 190, juniors and seniors register for MUEN 390; graduate students register for MUEN 590.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 191 Ensemble Recording Engineer

Students with advanced engineering skills may gain ensemble credit by serving as a recording engineer for ensembles requiring their services. Appointment is by permission of the ensemble instructor and upon recommendation of student's music technology instructor. Freshmen and sophomore register for MUEN 191, juniors and seniors register for MUEN 391; graduate students register for MUEN 591.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 192 Staff Composer/Arranger

Students with advanced composition skills may gain ensemble credit by serving as staff composer/arranger for ensembles requiring their services. Staff composers/arrangers will coordinate term projects with ensemble director and composition instructor at the beginning of the term. Appointment is by permission of the ensemble instructor and upon recommendation of student's composition instructor. Freshmen and sophomore register for MUEN 192, juniors and seniors register for MUEN 392; graduate students register for MUEN 592.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 201 WOU Drum Line

The WOU Drum Line is a select group that plays for athletic and other University events. A tuition remission may be available for highly qualified members.

May be repeated for up to 12 credits.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 202 WOU Pep Band

The WOU Pep Band is a select group that plays for athletic and other University events. A tuition remission may be available for highly-qualified members.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUEN 301 Concert Choir

WOU's largest choir. Studies and performs a wide variety of choral literature from all historic periods and styles. One concert performance with

different repertoire each term.

Freshmen and sophomores register for MUEN 101; juniors and seniors register for MUEN 301; graduate students register for MUEN 501. Open to singers with previous choral experience.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 302 Chamber Singers

Highly select group of 28 to 32 singers who perform an extensive repertoire of choral chamber works ranging from madrigals to newly composed pieces. Performs in choral concert each term, appears frequently on campus and travels extensively. Freshmen and sophomores register for MUEN 102; juniors and seniors register for MUEN 302; graduate students register for MUEN 502. Open only to singers with high level of experience.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 303 University Band

Rehearses and performs music of superior artistic quality but moderate technical demands. Presents a concert near the end of each term. No audition required. Freshmen and sophomores register for MUEN 103 Juniors and seniors register for MUEN 303.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 311 Western Oregon Symphony

Fully instrumented symphony orchestra including strings, woodwinds, brass and percussion. Performance literature is drawn from the standard symphonic repertoire and the best contemporary works, including newly composed and commissioned works. Presents a concert each term. Freshmen and sophomores register for MUEN 111; juniors and seniors register for MUEN

# Course Descriptions

311; graduate students register for MUEN 511.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 312 Wind Ensemble

Most advanced symphonic woodwind, brass and percussion group.

Repertoire includes the best contemporary and traditional literature for symphonic band, wind ensemble and wind symphony, including newly composed and commissioned works. Presents a concert each term.

Freshmen and sophomores register for MUEN 112; juniors and seniors register for MUEN 312; graduate students register for MUEN 512.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 313 Early Music Ensemble

Made up of vocalists and instrumentalists who perform Western European Art Music from the Middle Ages through the Enlightenment.

Freshmen and sophomores register for MUEN 113; juniors and seniors register for MUEN 313; graduate students register for MUEN 513.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 315 Mariachi Ensemble

The Mariachi Ensemble includes rehearsal and performance of music in the Mariachi tradition with an emphasis on its historical and cultural development. First and second-year students register for MUEN 115; third-year students and beyond register for MUEN 315.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 320 Chamber Ensemble

A small ensemble of like or mixed instruments dedicated to a particular repertoire. Freshmen and sophomores register for MUEN 120; juniors and seniors register for MUEN 320; graduate students register for MUEN 520.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 321 Brass Chamber Ensemble

Performs standard repertoire for various brass chamber groups, including brass quintet and octet. Freshmen and sophomores register for MUEN 121; juniors and seniors register for MUEN 321; graduate students register for MUEN 521.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 322 Salem Pops Orchestra

An orchestral ensemble experience (strings, winds, brass, and percussion) in cooperation with the Salem Pops Orchestra. Freshmen and sophomores register for MUEN 122; juniors and seniors register for MUEN 322.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 323 Woodwind Chamber Ensemble

Focuses on music for a standard small woodwind ensemble, such as woodwind quintet, saxophone quartet, clarinet choir or flute choir. Freshmen and sophomores register for MUEN 123; juniors and seniors register for MUEN 323; graduate students register for MUEN 523.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## MUEN 324 Piano Chamber Ensemble

A small ensemble with piano that may include any combination of instruments and/or vocalists. Freshmen and sophomores register for MUEN 124; juniors and seniors register for MUEN 324; graduate students register for MUEN 524.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 341 Percussion Ensemble

Studies and performs contemporary works written for orchestral percussion instruments. It also addresses vernacular traditions such as Afro-Cuban drumming, Caribbean steel drums and hand drums. Freshmen and sophomores register for MUEN 141; juniors and seniors register for MUEN 341; graduate students register for MUEN 541.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 342 New Music Ensemble

Performs new works by living composers with special emphasis on works by WOU composition students. The ensemble is composed of acoustic and electronic instruments and incorporates vocal and inter-media elements. Freshmen and sophomores register for MUEN 142; juniors and seniors register for MUEN 342; graduate students register for MUEN 542.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 343 Guitar Ensemble

Performs a variety of musical styles ranging from 21st century improvisational music to Black Sabbath. This ensemble is for advanced players only. Freshmen and

# Course Descriptions

sophomores register for MUEN 143; juniors and seniors register for MUEN 343; graduate students register for MUEN 543.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 351 Opera Scenes: Vocal

Vocal students may participate in productions of scenes from great operas. Freshmen and sophomores register for MUEN 151; juniors and seniors register for MUEN 351; graduate students register for MUEN 551.

May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 352 Opera Scenes: Instrumental

Instrumental students may participate in productions of scenes from great operas. Freshmen and sophomores register for MUEN 152; juniors and seniors register for MUEN 352; graduate students register for MUEN 552.

May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 353 Musical Theatre: Vocal

Musical theater production. Evening rehearsals during winter term, performances at conclusion of term. Freshmen and sophomores register for MUEN 153; juniors and seniors register for MUEN 353; graduate students register for MUEN 553.

May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 354 Musical Theatre: Instrumental

Selection by professor recommendation to pit orchestra for winter term musical. Freshmen and

sophomore register for MUEN 154; juniors and seniors register for MUEN 354; graduate students register for MUEN 554.

May be repeated for credit.

**Credits: 1-3**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 361 Western Oregon Voices

The Western Oregon Voices is a group of vocalists, with the addition of rhythm, horn, and string sections as needed to accommodate each term's featured repertoire. The group performs and records vocal ensemble music from various American Vernacular Music styles including Jazz, Pop, Rock, Rhythm and Blues, Soul, Motown, and American Popular Song. Freshmen and sophomore register for MUEN 161; juniors and seniors register for MUEN 361; graduate students register for MUEN 561.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 362 Jazz Orchestra

Dedicated to performing and recording improvised and written music from the vernacular styles of North and South America. Concerts range from Dixieland to fusion, from jump blues to funk and from choro to samba.

Freshmen and sophomores register for MUEN 162; juniors and seniors register for MUEN 362; graduate students register for MUEN 562.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 363 Latin Jazz

Ensemble dedicated to the performance of Brazilian music. Concerts may focus on a particular artist, such as Pixinguinha, Cartola, Jobim or Ivan Lins; a single musical genre, such as choro, samba, bossa nova or MPB; or a historical period.

Freshmen and sophomore register for MUEN 163; juniors and seniors register for MUEN 363; graduate students register for MUEN 563.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 370 Combo

A small ensemble that typically includes a rhythm section and one or more single-line instruments or singers. Freshmen and sophomore register for MUEN 170; juniors and seniors register for MUEN 370; graduate students register for MUEN 570.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 371 Jazz Repertoire Combo

Course studies material from the rich repertoire of jazz literature from 1930 to the present, with an emphasis on memorization and live performance. Analysis of performance practice and historical context is included.

Freshmen and sophomore register for MUEN 171; juniors and seniors register for MUEN 371; graduate students register for MUEN 571.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 372 Hemisphere Combo

Focuses on the performance of original compositions, as well as arrangements that fit the theme of the Western Hemisphere Orchestra concert each term. Freshmen and sophomore register for MUEN 172; juniors and seniors register for MUEN 372; graduate students register for MUEN 572.

May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## MUEN 373 Singer/Songwriter Combo

Designed for students who sing, write songs, and/or wish to develop their ability to make music in a small group that includes a singer. Repertoire may include original works, jazz standards, country music selections and/or songs from other popular music genres. Freshmen and sophomore register for MUEN 173; juniors and seniors register for MUEN 373; graduate students register for MUEN 573. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 390 Ensemble

Ad-hoc ensemble formulated for a particular term and/or a particular project that cannot be obtained through established ensembles. Freshmen and sophomore register for MUEN 190; juniors and seniors register for MUEN 390; graduate students register for MUEN 590. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 391 Ensemble Recording Engineer

Students with advanced engineering skills may gain ensemble credit by serving as a recording engineer for ensembles requiring their services. Appointment is by permission of the ensemble instructor and upon recommendation of student's music technology instructor. Freshmen and sophomore register for MUEN 191; juniors and seniors register for MUEN 391; graduate students register for MUEN 591. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 392 Staff Composer/Arranger

Students with advanced composition skills may gain ensemble credit by

serving as staff composer/arranger for ensembles requiring their services. Staff composers/arrangers will coordinate term projects with ensemble director and composition instructor at the beginning of the term. Appointment is by permission of the ensemble instructor and upon recommendation of student's composition instructor. Freshmen and sophomore register for MUEN 192; juniors and seniors register for MUEN 392; graduate students register for MUEN 592. May be repeated for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUEN 501 Concert Choir

WOU's largest choir. Studies and performs a wide variety of choral literature from all historic periods and styles. One concert performance with different repertoire each term. Freshmen and sophomores register for MUEN 101; juniors and seniors register for MUEN 301; graduate students register for MUEN 501. Open to singers with previous choral experience.

May be repeated for credit.

**Credits: 1**

## MUEN 502 Chamber Singers

Highly select group of 28 to 32 singers who perform an extensive repertoire of choral chamber works ranging from madrigals to newly composed pieces. Performs in choral concert each term, appears frequently on campus and travels extensively. Freshmen and sophomores register for MUEN 102; juniors and seniors register for MUEN 302; graduate students register for MUEN 502. Open only to singers with high level of experience. May be repeated for credit.

**Credits: 1**

**Prerequisite:** Audition required

## MUEN 511 Western Oregon Symphony

Fully instrumented symphony orchestra including strings, woodwinds, brass and percussion. Performance literature is drawn from

the standard symphonic repertoire and the best contemporary works, including newly composed and commissioned works. Presents a concert each term. Freshmen and sophomores register for MUEN 111; juniors and seniors register for MUEN 311; graduate students register for MUEN 511.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** Audition required

## MUEN 512 Wind Ensemble

Most advanced symphonic woodwind, brass and percussion group. Repertoire includes the best contemporary and traditional literature for symphonic band, wind ensemble and wind symphony, including newly composed and commissioned works. Presents a concert each term. Freshmen and sophomores register for MUEN 112; juniors and seniors register for MUEN 312; graduate students register for MUEN 512. May be repeated for credit.

**Credits: 1**

**Prerequisite:** Audition required

## MUEN 513 Early Music Ensemble

Made up of vocalists and instrumentalists who perform Western European Art Music from the Middle Ages through the Enlightenment. Freshmen and sophomores register for MUEN 113; juniors and seniors register for MUEN 313; graduate students register for MUEN 513. May be repeated for credit.

**Credits: 1**

## MUEN 520 Chamber Ensemble

A small ensemble of like or mixed instruments dedicated to a particular repertoire. Freshmen and sophomores register for MUEN 120; juniors and seniors register for MUEN 320; graduate students register for MUEN 520.

May be repeated for credit.

**Credits: 1**

# Course Descriptions

## **MUEN 521 Brass Chamber Ensemble**

Performs standard repertoire for various brass chamber groups, including brass quintet and octet. Freshmen and sophomores register for MUEN 121; juniors and seniors register for MUEN 321; graduate students register for MUEN 521. May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required and consent of instructor*

## **MUEN 522 String Chamber Ensemble**

A small ensemble of string instruments, such as string quartet, violin trio or string orchestra. Freshmen and sophomores register for MUEN 122; juniors and seniors register for MUEN 322; graduate students register for MUEN 522. May be repeated for credit.

**Credits: 1**

## **MUEN 523 Woodwind Chamber Ensemble**

Focuses on music for a standard small woodwind ensemble, such as woodwind quintet, saxophone quartet, clarinet choir or flute choir. Freshmen and sophomores register for MUEN 123; juniors and seniors register for MUEN 323; graduate students register for MUEN 523. May be repeated for credit.

**Credits: 1**

## **MUEN 524 Piano Chamber Ensemble**

A small ensemble with piano that may include any combination of instruments and/or vocalists. Freshmen and sophomores register for MUEN 124; juniors and seniors register for MUEN 324; graduate students register for MUEN 524.

May be repeated for credit.

**Credits: 1**

## **MUEN 541 Percussion Ensemble**

Studies and performs contemporary

works written for orchestral percussion instruments. It also addresses vernacular traditions such as Afro-Cuban drumming, Caribbean steel drums and hand drums. Freshmen and sophomores register for MUEN 141; juniors and seniors register for MUEN 341; graduate students register for MUEN 541.

May be repeated for credit.

**Credits: 1**

## **MUEN 542 New Music Ensemble**

Performs new works by living composers with special emphasis on works by WOU composition students. The ensemble is composed of acoustic and electronic instruments and incorporates vocal and inter-media elements. Freshmen and sophomores register for MUEN 142; juniors and seniors register for MUEN 342; graduate students register for MUEN 542.

May be repeated for credit.

**Credits: 1**

## **MUEN 543 Guitar Ensemble**

Performs a variety of musical styles ranging from 21st century improvisational music to Black Sabbath. This ensemble is for advanced players only. Freshmen and sophomores register for MUEN 143; juniors and seniors register for MUEN 343; graduate students register for MUEN 543.

May be repeated for credit.

**Credits: 1**

## **MUEN 551 Opera Scenes: Vocal**

Vocal students may participate in productions of scenes from great operas. Freshmen and sophomores register for MUEN 151; juniors and seniors register for MUEN 351; graduate students register for MUEN 551.

May be repeated for credit.

**Credits: 1-3**

## **MUEN 552 Opera Scenes: Instrumental**

Instrumental students may participate in productions of scenes from great

operas. Freshmen and sophomores register for MUEN 152; juniors and seniors register for MUEN 352; graduate students register for MUEN 552.

May be repeated for credit.

**Credits: 1-3**

## **MUEN 553 Musical Theatre: Vocal**

Musical theater production. Evening rehearsals during winter term, performances at conclusion of term. Freshmen and sophomores register for MUEN 153; juniors and seniors register for MUEN 353; graduate students register for MUEN 553. May be repeated for credit.

**Credits: 1-3**

## **MUEN 554 Musical Theatre: Instrumental**

Selection by professor recommendation to pit orchestra for winter term musical. Freshmen and sophomore register for MUEN 154, juniors and seniors register for MUEN 354; graduate students register for MUEN 554.

May be repeated for credit.

**Credits: 1-3**

**Prerequisite:** *Audition required*

## **MUEN 561 Western Oregon Voices**

The Western Oregon Voices is a group of vocalists, with the addition of rhythm, horn, and string sections as needed to accommodate each term's featured repertoire. The group performs and records vocal ensemble music from various American Vernacular Music styles including Jazz, Pop, Rock, Rhythm and Blues, Soul, Motown, and American Popular Song. Freshmen and sophomore register for MUEN 161, juniors and seniors register for MUEN 361; graduate students register for MUEN 561.

May be repeated for credit.

**Credits: 1**

**Prerequisite:** *Audition required*

# Course Descriptions

## MUEN 562 Jazz Orchestra

Dedicated to performing and recording improvised and written music from the vernacular styles of North and South America. Concerts range from Dixieland to fusion, from jump blues to funk and from choro to samba. Freshmen and sophomores register for MUEN 162; juniors and seniors register for MUEN 362; graduate students register for MUEN 562. May be repeated for credit.

**Credits: 1**

## MUEN 563 Latin Jazz

Ensemble dedicated to the performance of Brazilian music. Concerts may focus on a particular artist, such as Pixinguinha, Cartola, Jobim or Ivan Lins; a single musical genre, such as choro, samba, bossa nova or MPB; or a historical period. Freshmen and sophomore register for MUEN 163, juniors and seniors register for MUEN 363; graduate students register for MUEN 563. May be repeated for credit.

**Credits: 1**

## MUEN 570 Combo

A small ensemble that typically includes a rhythm section and one or more single-line instruments or singers. Freshmen and sophomore register for MUEN 170, juniors and seniors register for MUEN 370; graduate students register for MUEN 570.

May be repeated for credit.

**Credits: 1**

## MUEN 571 Jazz Repertoire Combo

Course studies material from the rich repertoire of jazz literature from 1930 to the present, with an emphasis on memorization and live performance. Analysis of performance practice and historical context is included. Freshmen and sophomore register for MUEN 171, juniors and seniors register for MUEN 371; graduate students register for MUEN 571. May be repeated for credit.

**Credits: 1**

## MUEN 572 Hemisphere Combo

Focuses on the performance of original compositions, as well as arrangements that fit the theme of the Western Hemisphere Orchestra concert each term. Freshmen and sophomore register for MUEN 172, juniors and seniors register for MUEN 372; graduate students register for MUEN 572.

May be repeated for credit.

**Credits: 1**

## MUEN 573 Singer/Songwriter Combo

Designed for students who sing, write songs, and/or wish to develop their ability to make music in a small group that includes a singer. Repertoire may include original works, jazz standards, country music selections and/or songs from other popular music genres.

Freshmen and sophomore register for MUEN 173, juniors and seniors register for MUEN 373; graduate students register for MUEN 573.

May be repeated for credit.

**Credits: 1**

## MUEN 590 Ensemble

Ad-hoc ensemble formulated for a particular term and/or a particular project that cannot be obtained through established ensembles. Freshmen and sophomore register for MUEN 190, juniors and seniors register for MUEN 390; graduate students register for MUEN 590.

May be repeated for credit.

**Credits: 1**

## MUEN 591 Ensemble Recording Engineer

Students with advanced engineering skills may gain ensemble credit by serving as a recording engineer for ensembles requiring their services. Appointment is by permission of the ensemble instructor and upon recommendation of student's music technology instructor. Freshmen and sophomore register for MUEN 191, juniors and seniors register for MUEN 391; graduate students register for MUEN 591.

May be repeated for credit.

**Credits: 1**

## MUEN 592 Staff Composer/Arranger

Students with advanced composition skills may gain ensemble credit by serving as staff composer/arranger for ensembles requiring their services. Staff composers/arrangers will coordinate term projects with ensemble director and composition instructor at the beginning of the term. Appointment is by permission of the ensemble instructor and upon recommendation of student's composition instructor. Freshmen and sophomore register for MUEN 192, juniors and seniors register for MUEN 392; graduate students register for MUEN 592.

May be repeated for credit.

**Credits: 1**

## MUP 100 Performance Studies

Individual instruction in music performance at the basic level. This course does not satisfy MUP requirements for music students.

May be repeated for credit.

**Credits: 2-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 105 Music Performance - American Vernacular Studies

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 110 Music Performance - Audio Production

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.



# Course Descriptions

## MUP 115 Music Performance - Composition

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 120 Music Performance - Conducting

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 125 Music Performance - Instrumental

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 127 Mariachi Performance

Private instruction. Instruction in Mariachi style specifically for: guitarron, vihuela, guitar, violin, trumpet, harp.

May be repeated for credit. 2-4 credits.

**Credits: 2 - 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 130 Music Performance - Vocal

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 135 Music Performance - Historical Performance

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 140 Music Performance - Juried

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Music major or minor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 205 Music Performance - American Vernacular Studies

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 105 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 210 Music Performance - Audio Production

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 110 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 215 Music Performance - Composition

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 115 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 220 Music Performance - Conducting

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 120 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 225 Music Performance - Instrumental

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 125 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 230 Music Performance - Vocal

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 130 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 235 Music Performance - Historical Performance

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 135 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 240 Music Performance - Juried

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 140 exit jury*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 300 Music Performance - Non-Juried

Private instruction.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUP 305 Music Performance - American Vernacular Studies

Private instruction.

May be repeated for credit.

# Course Descriptions

**Credits: 2-4**

**Prerequisite:** *Pass MUP 205 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 310 Music Performance - Audio Production On-Campus**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 210 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 315 Music Performance - Composition**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 215 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 320 Music Performance - Conducting**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 220 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 325 Music Performance - Instrumental**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 225 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 327 Mariachi Performance**

Private instruction. Instruction in Mariachi style specifically for: guitarron, vihuela, guitar, violin, trumpet, harp.

May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** Must have passed 300-level entry jury.  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 330 Music Performance - Vocal**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 230 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 340 Music Performance - Juried**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 240 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 405 Music Performance - American Vernacular Studies**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 305 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 410 Music Performance - Audio Production On-Campus**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 310 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 415 Music Performance - Composition**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 315 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 420 Music Performance - Conducting**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 320 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 425 Music Performance - Instrumental**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 325 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 430 Music Performance - Vocal**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 330 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 440 Music Performance - Juried**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass MUP 340 exit jury*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **MUP 605 Music Performance - American Vernacular Studies**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass graduate MUP audition*

## **MUP 610 Music Performance - Audio Production On-Campus**

Private instruction.  
May be repeated for credit.

**Credits: 2-4**

**Prerequisite:** *Pass graduate MUP audition*

# Course Descriptions

## MUP 615 Music Performance - Composition

Private instruction.  
May be repeated for credit.  
**Credits: 2-4**  
**Prerequisite:** *Pass graduate MUP audition*

## MUP 620 Music Performance - Conducting

Private instruction.  
May be repeated for credit.  
**Credits: 2-4**  
**Prerequisite:** *Pass graduate MUP audition*

## MUP 625 Music Performance - Instrumental

Private instruction.  
May be repeated for credit.  
**Credits: 2-4**  
**Prerequisite:** *Pass graduate MUP audition*

## MUP 630 Music Performance - Vocal

Private instruction.  
May be repeated for credit.  
**Credits: 2-4**  
**Prerequisite:** *Pass graduate MUP audition*

## MUP 635 Music Performance - Historical Performance

Private instruction.  
May be repeated for credit.  
**Credits: 2-4**  
**Prerequisite:** *Pass graduate MUP audition*

## MUP 640 Music Performance - Graduate

Private instruction.  
May be repeated for credit.  
**Credits: 2-4**  
**Prerequisite:** *Pass graduate MUP audition*

## MUS 101 Pop Music in America

A historical survey of popular music in North America from minstrelsy to the modern era. Consideration of genre distinctions and fusions, as well as the influence of social and technological context.  
**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUS 102 Rock Music: A Social History

Overview of rock music from c. 1950 to 1980. Focus on ways in which the music reflected and influenced societal attitudes and behaviors.  
**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUS 103 Jazz History

A historical survey of jazz from its origins to the present day. Focus on major figures and style characteristics in the 20th century, as well as jazz's place in the social context of the time.  
**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUS 104 Music in Film

This course will explore the powerful role that music, particularly classical music, plays in films both old and new. Topics such as dramatic narrative, irony, suspense, and the relationship between music and emotional connection will be discussed and analyzed.  
**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUS 107 Introduction to Music and its Literature

An introduction to music literature through the study of elements and organizing principles as they relate to music of all periods. Emphasis is placed on listening to music that is popular in concert halls.  
**Credits: 3**  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.  
**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUS 111 Music Theory I: Tonality

Elements and principles of functional tonality, viewed from the perspective of American popular song and classical music from the common practice period: keys, scales, chords, chord function, chord notation, cadences, phrase structure and basic formal principles.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 112 Music Theory II: Counterpoint

Principles of melodic interrelationship, as practiced by composers from the Renaissance and Baroque eras: modes, cadences, species counterpoint and chorale-style writing in four parts.  
**Credits: 3**  
**Prerequisite:** *MUS 111 or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 113 Music Theory III: Form & Analysis

Forms and harmonic devices employed by Classical- and Romantic-era European composers and 20th Century applications thereof in the Americas.  
**Credits: 3**  
**Prerequisite:** *MUS 112 or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## MUS 114 Aural Skills I

Development of abilities to sing notated melodies and execute notated rhythms; to notate melodies, rhythms and harmonies presented aurally; and to recognize basic musical forms based on listening and score analysis.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 115 Aural Skills II

Development of abilities to sing notated melodies and execute notated rhythms; to notate melodies, rhythms and harmonies presented aurally; and to recognize basic musical forms based on listening and score analysis.

**Credits: 1**

**Prerequisite:** MUS 114 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 116 Aural Skills III

Development of abilities to sing notated melodies and execute notated rhythms; to notate melodies, rhythms and harmonies presented aurally; and to recognize basic musical forms based on listening and score analysis.

**Credits: 1**

**Prerequisite:** MUS 115 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 120 Music Theory Fundamentals

Introduction to basic knowledge and skills that build musical competence: chord, scale, interval and key signature identities and relationships; notation literacy and keyboard proficiency; and aural skills, including singing and transcribing simple melodies and harmonies. First class for all music majors. Students may test out of this class to satisfy music core prerequisites. Students minoring in music may test out and replace these credits with music elective in consultation with an adviser.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MUS 142 Guitar Class I

Provides instruction for beginners with little to no experience in playing the guitar. It is intended for beginners and those seeking instruction on the basic of the instrument and basic proficiency.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 143 Guitar Class II

Continuation of Guitar I with more advanced skills leading to Guitar Proficiency. Students will become more familiar with the fundamental techniques of playing classical and selected popular, unaccompanied guitar styles. This includes sitting position, hand positions, nail care, tuning, note reading, melody playing, arpeggio study, and melody and accompaniment type textures. Students will also learn basic musicianship. Students successfully completing this course will achieve basic guitar proficiency. Students with prior guitar experience may be placed directly into this course.

**Credits: 2**

**Prerequisite:** MUS 142 or approval of the instructor.

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 150 Digital Audio Workstation

Introduction to the concepts of recording, editing, and mixing music using computer-based Digital Audio Workstations (DAWs) including midi, multi-track production, and best practices. Music majors must take this course for three terms.

May be repeated three times for credit.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 160 Digital Music Notation

An introduction to music notation, computer notation software and basic midi implementation. Music majors must take this course for three terms.

May be repeated for up to 3 credits.  
**Credits: 1**  
**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## MUS 181 Voice Class I

Essentials of singing, including tone production, diction, style and interpretation.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## MUS 182 Voice Class II

Essentials of singing, including tone production, diction, style and interpretation.

**Credits: 2**

**Prerequisite:** MUS 181 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## MUS 199 Special Studies

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 201 History of Western Classical Music: Antiquity to Baroque

A historical survey of the musical cultures of Western Europe and North America from Ancient Greece through the Renaissance and the Baroque.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## MUS 202 History of Western Classical Music: Enlightenment to Romantic

A survey of significant composers, works and performance practices in the history of Western European and American art music from the Enlightenment through the late 19th century.

**Credits: 3**

**Satisfactory Grading:** Ineligible for

# Course Descriptions

the Satisfactory/No Credit grade mode.  
**Foundational Skills:** *Critical Thinking*

## MUS 203 History of Western Classical Music: 20th Century to Present

A survey of significant composers, works and trends from the 20th century to the present.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## MUS 204 Ethnomusicology

Introduction to the discipline of ethnomusicology. Focus on the relationship of music and culture. Includes study of a variety of world cultures.

**Credits:** 3

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## MUS 211 Music Theory IV: Chromatic Harmony

Course in harmony, analysis and model composition that moves from early 19th century tonal practice to the forms that tonality took in the late 19th and early 20th centuries, emphasizing composers' use of the chromatic techniques within large-scale movement organization.

**Credits:** 3

**Prerequisite:** MUS 113

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 212 Music Theory V: Post Tonal Systems

A course combining a survey of 20th century compositional post-tonal styles with analysis and model composition assignments, including serialism, constructivism, aleatoricism and eclecticism as well as other techniques developed by contemporary composers.

**Credits:** 3

**Prerequisite:** MUS 211

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## MUS 213 Music Theory VI: Analysis of 20th and 21st Century Literature

Study of modern songwriting styles and techniques through analysis and composition.

**Credits:** 3

**Prerequisite:** MUS 212

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 214 Aural Skills IV

Development of abilities to sing notated melodies and execute notated rhythms; to notate melodies, rhythms and harmonies presented aurally; and to recognize basic musical forms based on listening and score analysis.

**Credits:** 1

**Prerequisite:** MUS 116 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 215 Aural Skills V

Development of abilities to sing notated melodies and execute notated rhythms; to notate melodies, rhythms and harmonies presented aurally; and to recognize basic musical forms based on listening and score analysis.

**Credits:** 1

**Prerequisite:** MUS 214 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 216 Aural Skills VI

Development of abilities to sing notated melodies and execute notated rhythms; to notate melodies, rhythms and harmonies presented aurally; and to recognize basic musical forms based on listening and score analysis.

**Credits:** 1

**Prerequisite:** MUS 215 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 220 Improvisation

Introduction to improvisation through melodic and rhythmic improvisation games, readings, discussions, listening, musical role-playing and technical drills.

**Credits:** 2

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 231 Piano Proficiency I

Elementary piano course including rhythm, notation, transposition, harmonization, performance of easy repertoire and sight-reading. First term of a six-term sequence. Designed for the music major who is preparing for the piano proficiency examination.

**Credits:** 2

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 232 Piano Proficiency II

Elementary piano course including rhythm, notation, transposition, harmonization, performance of easy repertoire and sight-reading. Second term of a six term sequence. Designed for the music major who is preparing for the piano proficiency examination.

**Credits:** 2

**Prerequisite:** MUS 231 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 233 Piano Proficiency III

Elementary piano course including rhythm, notation, transposition, harmonization, performance of easy repertoire and sight-reading. Third term of a six-term sequence. Designed for the music major who is preparing for the piano proficiency examination.

**Credits:** 2

**Prerequisite:** MUS 232 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 234 Piano Proficiency IV

The study of solo repertoire and technical studies.

# Course Descriptions

**Credits: 2**

**Prerequisite:** *MUS 233 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 235 Piano Proficiency V

The study of solo repertoire and technical studies.

**Credits: 2**

**Prerequisite:** *MUS 234 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 236 Piano Proficiency VI

The study of solo repertoire and technical studies.

**Credits: 2**

**Prerequisite:** *MUS 235 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 250 Concert Attendance

Concert attendance for music majors. May be repeated for credit.

Pass-No Credit (P/NC) grading only.

**Credits: 0**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 267 Music in America: 1800-1945

A historical survey of significant performers, composers, works and performance practices of American vernacular music from the mid-19th century to the end of World War II.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 268 Music in America: 1945-1967

A historical survey of significant performers, composers, works and performance practices of American vernacular music with an emphasis on the music of South and Central America and the history of the guitar.

**Credits: 3**

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## MUS 269 Music in America: 1967-Present

A historical survey of significant performers, composers, works and performance practices of American vernacular music from the end of World War II to the present.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 271 Jazz Improvisation I

This class focuses on the materials and practices for improvising in the jazz idiom. Emphasis will be placed on the harmonic practices of the blues and jazz performance practice as applied to the blues.

**Credits: 3**

**Prerequisite:** *MUS 220 or successfully pass the entrance audition for the Jazz Studies Concentration*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 272 Jazz Improvisation II

This class focuses on the materials and practices for improvising in the jazz idiom. Emphasis will be placed on the harmonic practices of functional harmony and jazz interpretations of music from the Great American Songbook.

**Credits: 3**

**Prerequisite:** *MUS 271*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 273 Jazz Improvisation III

This class focuses on the materials and practices for improvising in the jazz idiom. Emphasis will be placed on the music of Charlie Parker and the bebop language.

**Credits: 3**

**Prerequisite:** *MUS 272*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 279 Songwriting

An introduction to the study of songs and songwriting, with emphasis on lyrics, melody, harmony, form, notation, and basic arranging techniques. Historical songs and songwriting techniques will be analyzed for songwriting craft. Students will create and collaborate on original songs and produce produced realizations of those songs, which will be performed and critiqued.

**Credits: 2**

## MUS 304 Junior Recital

Performance project designed and completed with faculty approval and supervision. Usually completed during the student's junior year. Student must be at the juried 300 level and concurrently enrolled in the specific MUP to present the recital. Eligible for the RP grade option.

**Credits: 0**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 310 Women in Music

Women's contributions to music from 1800 to the present will be presented from a variety of perspectives. Performers, composers, conductors and arts supporters will be central to the material.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 320 Instrumental Conducting

Techniques of conducting, including analysis of compositions conducted. The class serves as a laboratory for live conducting experiences.

**Credits: 3**

**Prerequisite:** *MUS 212*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 321 Choral Conducting

Study of techniques in choral conducting including analysis of compositions conducted. Preparation of repertoire with special emphasis on

# Course Descriptions

problems and solutions in contemporary music.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 322 Jazz Methods

Teaches conducting and rehearsal technique for ensembles that perform repertoire that includes a rhythm section and may include American vernacular improvisation. Styles of music covered will include jazz, rhythm and blues, pop, Afro-Cuban and several Brazilian genres.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 341 Pedagogy Studies-Piano

Study and evaluation of various methods of piano pedagogy for beginners through advanced students. Practical application of the methods is required.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 343 Voice Culture

Techniques and singing skills for students with appropriate musical understanding and who are predominantly instrumentalists so they may function effectively in the professional music field

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 345 Careers in Music

Career development, website design, concert planning and promotion, basic accounting principles, copyright issues and revenue streams for musicians.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 351 Accompanying

Study of skills required for successful accompanying of instrumentalists and

vocalists. Practical application of the techniques required.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 364 Ethnomusicology II

Study of music and life way of selected world cultures will be followed by field research in local musical subcultures.

**Credits: 3**

**Prerequisite:** MUS 204

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 371 Orchestration I

Traditional and contemporary orchestration and instrumentation techniques for brass and woodwind instruments. Emphasis on range, transposition, idiomatic solo writing, idiomatic ensemble writing and standard practices for various ensembles and genres. Student projects will be performed and critiqued.

**Credits: 3**

**Prerequisite:** MUS 113

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 372 Orchestration II

Traditional and contemporary orchestration and instrumentation techniques for string instruments. Emphasis on range, transposition, idiomatic solo writing, idiomatic ensemble writing and standard practices for various ensembles and genres. Student projects will be performed and critiqued.

**Credits: 3**

**Prerequisite:** MUS 113

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 373 Orchestration III

Traditional and contemporary orchestration and instrumentation techniques for percussion and voice. Emphasis on range, idiomatic solo writing, idiomatic ensemble writing and standard practices for various ensembles and genres. Student projects will be performed and

critiqued.

**Credits: 3**

**Prerequisite:** MUS 113

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 380 Recording Session Preparation for Performing Musicians

Course addresses aspects and challenges encountered by musicians performing in the recording studio. Students take part in actual recording sessions and will develop an understanding of how to prepare for recording sessions, as well as the typical protocol of recording their specific instrument.

One-hour lecture followed by two hours of recording. Music recorded depends on the type of instrumentalists/singers enrolled in the course.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 381 Introduction to Audio Production

Overview of various facets of recording sound and music. Topics include the fundamentals of sound and acoustics, types of microphones, recording media, analog vs. digital audio, editing, mixing and mastering. Students receive hands-on training in a modern recording facility.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 382 Digital Music Production

Introduction to Apple's Logic Pro 9 software. Students gain a comprehensive understanding of the software's layout and key features. Students also learn specific recording, editing and mixing techniques common to all DAWs (digital audio workstations). Students receive hands-on training in a modern recording facility.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## MUS 383 Advanced Music Production

Puts the production skills acquired in MUS 382 into more extensive use. Students will take on substantial and challenging projects designed to improve their skills as music producers, mixers and sound designers.

**Credits: 3**

**Prerequisite:** MUS 382

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 399 Special Studies

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 404 Capstone Project

Capstone project designed and completed with faculty approval and supervision. Usually completed during the student's senior year and includes a public presentation.

Eligible for the RP grade option.

**Credits: 0**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 406 Special Individual Studies

Terms and hours to be arranged.

Designed for individual or special studies in a limited area of interest under the guidance of a designated faculty member.

May be repeated for up to 16 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 408 Workshops

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 409 Practicum

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 411 Contemporary Composition Techniques I

An introduction to contemporary strategies, systems, methods, and techniques of composing music for various genre and mediums. Students will compose music that demonstrates basic contemporary techniques of melody, harmony, form, rhythm, density, texture, and orchestration. Emphasis will be placed on composition techniques of the 20th and 21st centuries. Students will be able to identify significant contemporary composers, compositions, and compositional strategies through listening and score reading assessments. Students will utilize these compositional strategies in their own compositions, which will be performed and critiqued.

**Credits: 2**

**Prerequisite:** MUS 213

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 412 Contemporary Composition Techniques II

Contemporary strategies, systems, methods, and techniques of composing music for various genre and mediums. Students will compose music that demonstrates basic contemporary techniques of melody, harmony, form, rhythm, density, texture, and orchestration. Emphasis will be placed on composition techniques of the 20th and 21st centuries. Students will be able to identify significant contemporary composers, compositions, and compositional strategies through

listening and score reading assessments. Students will utilize these compositional strategies in their own compositions, which will be performed and critiqued.

**Credits: 2**

**Prerequisite:** MUS 411

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 413 Contemporary Composition Techniques III

Contemporary strategies, systems, methods, and techniques of composing music for various genre and mediums. Students will compose music that demonstrates basic contemporary techniques of melody, harmony, form, rhythm, density, texture, and orchestration. Emphasis will be placed on composition techniques of the 20th and 21st centuries. Students will be able to identify significant contemporary composers, compositions, and compositional strategies through listening and score reading assessments. Students will utilize these compositional strategies in their own compositions, which will be performed and critiqued.

**Credits: 2**

**Prerequisite:** MUS 412

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 414 Jazz Theory

Introduction to the elements of jazz arranging and composition, emphasizing jazz theory, harmony, melodic fluency, form, instrumentation, voicing, nomenclature, rhythm, ear-training and the jazz style.

Compositions and arrangements for jazz combos will be performed and critiqued when practical.

**Credits: 3**

**Prerequisite:** MUS 213

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 415 Jazz Arranging I

Introduction to the elements of jazz arranging and composition for the jazz ensemble, emphasizing multiple-part voicings, jazz harmony, melodic fluency, form, instrumentation,



# Course Descriptions

nomenclature, rhythm, ear-training and the jazz style. Compositions and arrangements for big band sections and full big band will be performed and critiqued when practical.

**Credits: 3**

**Prerequisite:** *MUS 414*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 416 Jazz Arranging II

Advanced arranging and composition techniques for the big band with emphasis on counterpoint, five-part voicing, extended forms, shout sections, Latin jazz styles and advanced orchestration and instrumentation techniques.

Compositions and arrangements will be performed and critiqued when practical.

**Credits: 3**

**Prerequisite:** *MUS 415*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 421 Music Media Production I

An introduction to music-production techniques, emphasizing midi processing, sound-sample libraries, midi orchestration, digital audio work states and synchronization of music to various media.

**Credits: 3**

**Prerequisite:** *MUS 212*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 422 Music Media Production II

Composing music for film and media with emphasis on film music history, dramatic conceptualization, orchestration, styles and genres. Underscore projects will be performed, recorded, produced and critiqued. Includes weekly midi lab times for scoring productions, composition and transcriptions.

**Credits: 3**

**Prerequisite:** *MUS*

*421 (undergraduate); MUS 521 (graduate)*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 423 Music Media Production III

Composing music for film and television with emphasis on the industry, synchronization and timings, spotting, dramatic conceptualization, orchestration recording techniques, styles and genres. Underscore projects will be performed, recorded, synchronized and critiqued. Includes weekly midi lab times for scoring productions, composition and soundtrack transcriptions.

**Credits: 3**

**Prerequisite:** *MUS*

*422 (undergraduate) or MUS 522 (graduate)*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 425 Keyboard Literature

An overview of keyboard literature from Baroque, Classical, Romantic and 20th century periods. Activities include listening, study of style, performance practices and score identification.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 428 Choral Literature

Study of choral music's place, style and performance practice in each of the major Western European historical style periods. Includes examination of the choral genre in various world musics. Activities include listening, as well as studying representative scores.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 429 Literature for Instrumental Ensembles

Research, inventory and selection of effective repertoire for the successful instrumental ensemble performer. Course concentrates on published music from the late 18th century to the present for modern orchestral and chamber ensembles.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 440 Performance Anxiety for Musicians

Introduces the causes and effects of performance anxiety among musicians and seeks to provide methods for coping with the stresses of performance. The diverse needs of the participants will be of foremost importance.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 453 Vocal Literature

An overview of vocal literature from Renaissance lute song through the 20th century viewed in terms of melody, harmony, rhythm, accompaniment form and poetry, with consideration of style and performance practice.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 454 Vocal Pedagogy

Introduction of methods and materials for teaching singing in a studio or small class. Attention to all elements of vocal production: respiration, phonation, resonance and articulation. Practical application of the methods is required.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 455 Lyric Diction

Essentials of diction for singers in English, Italian, German and French using I.P.A. symbols.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 460 Special Topics in Music History

A cultural study of a historical, artistic, literary or philosophical movement, with focus on the role of music in that movement. Topic is unique to each offering.

May be repeated for credit.

**Credits: 2-3**

# Course Descriptions

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 465 Special Topics In Music Theory

Consideration of contemporary, historical and ethnographic musical practices. Each term will focus on one or more topics such as species counterpoint, orchestration, serial music, minimalism, non-Western structures or cross-cultural influences. May be repeated for credit.

**Credits: 2-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 472 Songwriting II

Study of modern songwriting styles and techniques through analysis and composition.

**Credits: 3**

**Prerequisite:** MUS 212

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 473 Songwriting III

Study of modern songwriting styles and techniques through analysis and composition.

**Credits: 3**

**Prerequisite:** MUS 472

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 514 Jazz Theory

Introduction to the elements of jazz arranging and composition, emphasizing jazz theory, harmony, melodic fluency, form, instrumentation, voicing, nomenclature, rhythm, ear-training and the jazz style. Compositions and arrangements for jazz combos will be performed and critiqued when practical.

**Credits: 3**

**Prerequisite:** MUS 213

## MUS 515 Jazz Arranging I

Introduction to the elements of jazz arranging and composition for the jazz ensemble, emphasizing multiple-part voicings, jazz harmony, melodic

fluency, form, instrumentation, nomenclature, rhythm, ear-training and the jazz style. Compositions and arrangements for big band sections and full big band will be performed and critiqued when practical.

**Credits: 3**

**Prerequisite:** MUS 414

## MUS 516 Jazz Arranging II

Advanced arranging and composition techniques for the big band with emphasis on counterpoint, five-part voicing, extended forms, shout sections, Latin jazz styles and advanced orchestration and instrumentation techniques. Compositions and arrangements will be performed and critiqued when practical.

**Credits: 3**

**Prerequisite:** MUS 415

## MUS 521 Music Media Production I

An introduction to music-production techniques, emphasizing midi processing, sound-sample libraries, midi orchestration, digital audio work states and synchronization of music to various media.

**Credits: 3**

**Prerequisite:** MUS 212

## MUS 522 Music Media Production II

Composing music for film and media with emphasis on film music history, dramatic conceptualization, orchestration, styles and genres. Underscore projects will be performed, recorded, produced and critiqued. Includes weekly midi lab times for scoring productions, composition and transcriptions.

**Credits: 3**

**Prerequisite:** MUS

421 (undergraduate); MUS 521 (graduate)

## MUS 523 Music Media Production III

Composing music for film and television with emphasis on the industry, synchronization and timings,

spotting, dramatic conceptualization, orchestration recording techniques, styles and genres. Underscore projects will be performed, recorded, synchronized and critiqued. Includes weekly midi lab times for scoring productions, composition and soundtrack transcriptions.

**Credits: 3**

**Prerequisite:** MUS

422 (undergraduate) or MUS 522 (graduate)

## MUS 525 Keyboard Literature

An overview of keyboard literature from Baroque, Classical, Romantic and 20th century periods. Activities include listening, study of style, performance practices and score identification.

**Credits: 3**

## MUS 528 Choral Literature

Study of choral music's place, style and performance practice in each of the major Western European historical style periods. Includes examination of the choral genre in various world musics. Activities include listening, as well as studying representative scores.

**Credits: 3**

## MUS 529 Literature for Instrumental Ensembles

Research, inventory and selection of effective repertoire for the successful instrumental ensemble performer. Course concentrates on published music from the late 18th century to the present for modern orchestral and chamber ensembles.

**Credits: 3**

## MUS 540 Performance Anxiety for Musicians

Introduces the causes and effects of performance anxiety among musicians and seeks to provide methods for coping with the stresses of performance. The diverse needs of the participants will be of foremost importance.

**Credits: 3**

# Course Descriptions

## MUS 553 Vocal Literature

An overview of vocal literature from Renaissance lute song through the 20th century viewed in terms of melody, harmony, rhythm, accompaniment form and poetry, with consideration of style and performance practice.

**Credits: 3**

## MUS 560 Special Topics in Music History

A cultural study of a historical, artistic, literary or philosophical movement, with focus on the role of music in that movement. Topic is unique to each offering.

May be repeated for credit.

**Credits: 2-3**

## MUS 565 Special Topics In Music Theory

Consideration of contemporary, historical and ethnographic musical practices. Each term will focus on one or more topics such as species counterpoint, orchestration, serial music, minimalism, non-Western structures or cross-cultural influences.

May be repeated for credit.

**Credits: 2-3**

## MUS 572 Songwriting II

Study of modern songwriting styles and techniques through analysis and composition.

**Credits: 3**

## MUS 573 Songwriting III

Study of modern songwriting styles and techniques through analysis and composition.

**Credits: 3**

## MUS 606 Special Individual Studies

This course is designed for graduate advanced individual study under the guidance of a designated faculty member.

May be repeated for credit.

**Credits: 1-3**

## MUS 607 Seminar

Terms and hours to be arranged.

May be repeated for credit.

**Credits: 1-15**

## MUS 608 Workshop

Terms and hours to be arranged.

May be repeated for credit.

**Credits: 1-15**

## MUS 640 College Pedagogy in Music

Curricular development, learning assessment, philosophical perspectives and practical issues studied through observation of and collaboration with WOU faculty in the delivery of undergraduate coursework. May be repeated for credit, when taken in conjunction with different undergraduate courses.

**Credits: 1-6**

**Prerequisite:** *Consent of instructor*

## MUS 650 Concert Attendance

Concert attendance for graduate music majors.

May be repeated for credit.

Pass-No Credit (P/NC) grading only.

**Credits: 0**

## MUS 675 Introduction to Graduate Research

Introduces students to formal and informal scholarly communication and research in music. Finding resources, reading and interpreting research and understanding and applying the principles of objective investigation will be the focus.

**Credits: 3**

## MUS 680 Special Topics in Contemporary Musicology

A musicology seminar designed to provide graduate students with an intense one-term examination of a musical style, period or philosophy

from the last 125 years. The topic will change with each offering in order to address the diverse interests and needs of the student body. Degree candidates must take three consecutive terms of MUS 680.

May be repeated for up to 3 credits.

**Credits: 1**

## MUS 685 Contemporary Readings in Music

An investigation of contemporary writings in areas such as music criticism, comparative musicology, musical semiology and cognitive science.

**Credits: 3**

## MUS 690 Recording and Media Production

Overview of technical and business concerns involved in professional recording. Course objectives include understanding the roles of recording engineers and producers, understanding basic technical processes to translate aesthetic intent to effective technical language and understanding expectations in the recording process. Degree candidates must take three consecutive terms of MUS 690. A maximum of three credits can be applied to the degree.

**Credits: 1**

## MT 201 Introduction to Music Therapy

A survey of the scope and variety of practices in the music therapy profession. Covers topics such as the history of music therapy, current research, and methodologies used in treatment plans. Includes musical styles through composed songs and helps develop improvisational skills for use in music therapy sessions for a variety of clinical populations.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 301 Music Therapy Practicum

In this course, students will engage in practical experiences in a professional

# Course Descriptions

music therapy setting. Students will observe and interact with professionals and patients following all laws and AMTA code of ethics.

**Credits: 1**

**Prerequisite:** Declared Music Therapy Concentration.

## MT 311 Clinical Processes I

Overview of the therapeutic use of music and introduction to the clinical process in music therapy. Examine cases that illustrate clinical competencies as outlined by AMTA. Assessment, treatment planning, clinical observation, data collection, session design, evaluation, and documentation will be emphasized.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 312 Clinical Processes II

**Credits: 2**

**Prerequisite:** MT 311 Clinical Processes I

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 320 Music Therapy in Theory & Practice for Children

Examination of the methods of techniques in music therapy with children with disabilities both in an outside of the school setting including special education, and current legislation related to the education and care of children and adolescents with disabilities. Explore the developmental of infants, children, and adolescents, combined with strategies and therapeutic approaches for these individuals.

**Credits: 3**

**Prerequisite:** MT 311 Clinical Processes I

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 321 Music Therapy in Theory & Practice for Adults

Study of music therapy techniques used with individuals in adulthood and geriatric settings. Examines issues concerning the use of music therapy

within this population. Emphasizes technical writing skills necessary in the field of music therapy.

**Credits: 3**

**Prerequisite:** MT 320 Music Therapy in Theory & Practice for Children

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 330 Clinical and Professional Issues I

Explores contemporary clinical and professional issues within the field of music therapy. Topics may include the clinical, historical, organizational, ethical, social, administrative, pragmatic, legal, and financial dimensions of music therapy. Current events and trends within the field will be explored, as well as continuing to address the dynamics of individual and group clinical settings.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 331 Clinical and Professional Issues II

Senior Capstone Course in Music Therapy. Final preparations for the Music Therapy Internship. Reimbursement, marketing, grant writing, development of music therapy business proposal, and a professional presentation.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 350 Research Methods in Music Therapy

Explore a variety of research methodologies related to music therapy. Includes reading, interpreting, and creating ideas for qualitative and quantitative research and the interpretation of statistical analysis.

**Credits: 3**

**Prerequisite:** STAT 243Z and MT 311

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MT 481 Clinical Internship

Students will complete an approved

internship under the supervision of a board-certified music therapist. Students synthesize and apply knowledge of client assessment, treatment planning and implementation, evaluation and documentation of the clinical setting. Students will accumulate clinical training hours as required by the AMTA. Three terms (1 academic year) of clinical internship is required. May be repeated 3 times.

**Credits: 12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## MUS 450 Psychology of Music

This course considers human behavior from both the psychological and musical perspectives. Students will explore why music exists, why people listen to music, how people understand music, and how social relationships influence musical tastes. Students will investigate theories on the evolutionary origins of music, musical development, music and the brain, music and emotion, the role of music in our everyday lives, social influences on musical tastes, composers with psychological disorders, and relationships to music therapy.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## OL 406 Special Individual Studies

Designed for individual or special studies in a defined area of interest under the guidance of a designated member.

May be repeated for up to 16 credits, if content is different.

Pass-No Credit (P/NC) grading only.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## OL 407 Seminar

Terms and hours to be arranged by program.

May be repeated for up to 16 credits, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## OL 507 Seminar

Terms and hours to be arranged by program.  
May be repeated for up to 15 credits, if content is different.

**Credits: 3**

## OL 605 Ethics in Leadership

In this course, we examine the theory and practice of ethical leadership in organizations. The terminology, theories, and practice of the ethics of organizational leadership will inform analyses of the ethical dimensions of organizational leadership. Case studies will provide the context of analysis and application.

**Credits: 3**

**Prerequisite:** *Enrolled in the Organizational Leadership Masters program or the Executive Leadership Certificate program*

## OL 606 Special Individual Studies

Terms and hours to be arranged. A specialized or individualized course of graduate study to be arranged in consultation with an Organizational Leadership instructor.

May be repeated for up to 9 credits.

Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** *Consent of instructor*

## OL 607 Seminar

Terms and hours to be arranged.  
May be repeated for credit, if content is different.

**Credits: 3**

## OL 611 Ethics in Leadership

In this course, we examine the theory and practice of ethical leadership in organizations. The terminology, theories, and practice of the ethics of organizational leadership will inform analyses of the ethical dimensions of organizational leadership. Case studies will provide the context of analysis and application.

**Credits: 3**

## OL 612 Conflict Management

In this course we focus on both the theory and the practice of managing conflict within the organization. Organizational conflict is explained through readings and case study analysis. Students will develop and produce a guide to organizational conflict.

**Credits: 3**

## OL 613 Human Behavior in Organizations

This course is an in-depth review of the current theories about the behavior of individuals and groups within organizations. We will examine the behavioral knowledge and skills necessary to be an effective leader in today's organizations. Topics including individual differences, attitudes, decision making, motivation, group structure, team building, communication, leadership, power and politics, social responsibility, organizational ethics, and diversity management.

**Credits: 3**

## OL 614 Leading for Creativity and Innovation

This course is designed to familiarize students with the collaborative creative process as well as factors that influence the success of team-based creative endeavors. Topics include the basic cognitive processes that underlie creativity, personal influences on creativity including: traits, attitudes, and cognitive abilities, the elements of the creative process, and social forces such as team and organizational climates influencing the creative process in teams.

**Credits: 3**

## OL 615 Strategic Leadership

This is an advanced integrative course on the process of systematically formulating and implementing firm strategies. Topics are covered from a general management perspective and include setting corporate goals and objectives, analyzing external competitive environments, understanding business models,

identifying strategy options, and designing appropriate organization systems and structure for implementation of plans. International and e-business issues are integrated throughout.

**Credits: 3**

## OL 616 Leadership Action Project I

This course and its successor, OL 617 Leadership Action Project II, are required for the Organizational Leadership Master of Arts degree; they are not applicable to the Operational or Executive Leadership Certificate programs. The purpose of these courses is to accomplish a capstone project in Organizational Leadership, culminating students experiences at WOU and validating them as master practitioners. The project requires students to conduct extensive research and analysis of the students own organization, the industry and external environment, the organizations competitors, internal organization, and business level strategy. This analysis will culminate in the development of a narrated PowerPoint presentation and a two-page proposal detailing a key problem or opportunity facing your company or organization as well as a proposed recommendation to address the problem / opportunity. Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *Enrolled in the Organizational Leadership Masters program and have completed all the required courses and most electives before enrolling in this course*

## OL 617 Leadership Action Project II

This course and its prerequisite, OL 616, are required for Organizational Leadership Master of Arts degree; they are not applicable to the Operational or Executive Leadership Certificate programs. The Leadership Action Project is an integrative capstone experience spanning the final two quarters of the Organization Leadership program. In this second course of the sequence, the student is required to recommend appropriate solutions for the project identified in

# Course Descriptions

the prerequisite (OL 616) and create an implementation plan for the best alternative solution. The action project must integrate at least two courses in the program and is intended to provide real value to the student as a learning process and to the sponsoring organization as a final result. Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *OL 616 and enrolled in the Organizational Leadership Masters program and have completed all the required courses and electives before enrolling in this course*

## OL 618 Advanced Leadership

Examines the art and science of leadership with a focus on the organizational environment. Topics will include leadership qualities and skills, the importance of vision, leading people through change, leadership and values, organizational climate, the leader as teacher, and effective delegation. The course will include a leadership analysis of key leaders in an industry or profession.

**Credits: 3**

## OL 619 Strategic Change and Organizational Development

This course is designed to familiarize students with the topics and challenges around today's changing organizations. We will examine how organizations anticipate change and what leadership is needed to effectively manage that change. Topics include change management, organizational development, sustainability, leading change, organizational environments, and implementation strategies.

**Credits: 3**

## OL 622 Critical Thinking for Leaders

This course is designed to enable students to improve their intellectual skills with an emphasis on critical thinking as a leadership skill. Topics include Socratic questioning, the eight elements of reason, nine intellectual standards, egocentric and sociocentric thinking, and becoming an advanced thinker. This course will include the

application of critical thinking in making decisions and solving problems.

**Credits: 3**

## OL 624 Talent Management

Talent management is the science of using strategic human resource planning to improve business value and to make it possible for companies and organizations to reach their goals. Everything done to recruit, retain, develop, reward and make people perform forms a part of talent management as well as strategic workforce planning. The course focuses on talent management strategies and initiatives which are integrated with organizational strategy and bottom line objectives.

**Credits: 3**

## OL 625 Executive Coaching

This course is designed to familiarize students with the knowledge needed to create collaborative, innovative, and thriving teams within their organizations. Students will strengthen their management wisdom and interpersonal skills to build effective teams capable of successfully navigating and proactively responding to the ever-changing demands of the organization. Topics include the leadership skills needed to create and sustain effective teams including: personality and group dynamics, emotional intelligence, the cost of incivility in organizations, and the importance of succession planning for organizational health.

**Credits: 3**

## OL 626 Leading Sustainability

This course examines the role of leaders to understand sustainability and advance sustainable initiatives in their organizations' operations. We will examine the current sustainability research, efforts, and impacts. Students will conduct research related to the future of sustainability and organizations. Topics including leadership, innovation, strategies, financial implications, and measuring performance.

**Credits: 3**

## OL 627 Leadership: Keys to Mental and Physical Health

This class will cover theories of maladaptive, adequate and optimal psychological functioning. In addition, we will study the processes which may lead to the development of adaptive functioning and its maintenance and how these processes may be brought into play in the individual's environment or community. Moreover, this class will examine the interplay between mental health and social issues and support systems.

**Credits: 3**

## OL 628 Leadership and Work-Family Balance

This course is designed to familiarize students with the issues involved in work-family balance. Through qualitative data collection and collaborative class discussion, students will offer an assessment (to a particular industry) on the benefits of leaders and how they influence work-family balance. Topics include the historical content, gender issues, as well as empirical research on the influence of leaders.

**Credits: 3**

## OL 631 Fundamentals of Leadership

This course is designed to provide a basic introduction to leadership by focusing on what it means to be a good leader. Emphasis in the course is on the practice of leadership. The course will examine topics such as: the nature of leadership, recognizing leadership traits, developing leadership skills, creating a vision, setting the tone, listening to out-group members, handling conflict, overcoming obstacles, and addressing ethics in leadership. Attention will be given to helping students to understand and improve their own leadership performance.

**Credits: 3**

## OL 632 Building Effective Teams

This course provides students with opportunity to increase self-awareness

# Course Descriptions

of their existing teamwork skills, develop stronger teamwork skills, as well as learn and apply social psychological principles aimed at increasing group effectiveness. Topics covered include: group development, social interdependence, group communication and decision making, managing conflict, enhancing group creativity, and leveraging diversity. Course activities may include several large scale group projects and meetings with other students in their groups outside of regularly scheduled class time.

**Credits: 3**

## OL 633 Organizational Communication

This course is designed to orient students to significant theoretical perspectives on organizational communication and apply those perspectives to various aspects of organizational life. Detailed case study analysis of organizational communication provides the basis for explanation and evaluation.

**Credits: 3**

**Prerequisite:** *Enrolled in either the Organizational Leadership Masters program, the Operational Leadership Certificate Program, or another Masters degree program at Western Oregon University*

## OL 634 Leading Across Cultures

Today's leaders must be able to communicate and lead effectively and efficiently across cultures domestically, as well as internationally. This class will demonstrate the importance of understanding culture, leadership, and the interaction between them in different contexts. We are typically familiar with the culture(s) we live in, but what happens when we move across cultures and the rules change? What if we are expected to communicate, collaborate or even lead the 'culturally different'? What do we need to know to be effective and efficient cross-cultural leaders? This cross-culturally focused course is designed to address these questions, along with many others. In this class we will focus on leadership effectiveness across cultures.

**Credits: 3**

## OL 635 Leading in Public Organizations

The purpose of the Leading in Public Organizations course is to introduce students to the workings of government, and the administrative and leadership issues that management staff face daily. The course exposes students to the technical aspects of government management and intertwines the leadership issues that face managers in each of these topics.

**Credits: 3**

## OL 636 Data Driven Decision Making

Leaders work in information-rich environments and their capacity to add value to their organizations is determined by their ability to generate, interpret, and utilize information. Survey research is a set of techniques and principles for systematically collecting, recording, analyzing, and interpreting data that can aid decision makers. The task of survey research is to provide information which reduces uncertainty in the decision-making process. Its goal is to shift the basis for decision making from intuitive information gathering to systematic and objective investigation.

**Credits: 3**

## OL 690 Leadership Action Project

This course is required for the Organizational Leadership Master of Arts degree; The purpose of this course is to accomplish a capstone project in Organizational Leadership, culminating students' experiences at WOU and validating them as master practitioners. The project requires students to analyze an organization, identify organizational challenges or opportunities for enhancement, propose and evaluate alternative solutions, and recommend a final solution (or solutions) along with an implementation plan. This project will culminate in the development of a written paper for a class project and an oral PowerPoint presentation and defense of the project to your graduate

committee.

May be repeated up to 9 credits.  
Eligible for the RP grade option.

**Credits: 1-3**

## PE 111 Beginning Weight Training

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 112 Jogging/Walking

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 113 Intermediate Weight Training

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 114 Aerobic Dance

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 115 Aerobic Kickboxing

Course involves participation in kickboxing and martial arts-related movements combined with other aerobic movements and performed in sequences and routines to increase cardio-respiratory (aerobic) endurance. Positive lifestyle and behavior changes related to fitness, health and wellness will be emphasized throughout the course.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 116 Beginning Pilates

Introduction to the Pilates method of body conditioning. Pilates principles of breath, concentration, control

# Course Descriptions

centering, precision and flow/rhythm will be practiced while performing a learned series of preparatory and beginning level mat exercises. Exercises focus on postural awareness, proper use of breathing, stabilizing the core and increasing muscular strength and flexibility. Exercise modifications are provided to work at individualized levels. May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 117 Body Conditioning

Course involves participation in a non-aerobic, well rounded, muscular conditioning exercise program consisting of high repetition, low resistance exercises to increase muscular strength and endurance and stretching exercises to increase flexibility for enhanced personal health. The knowledge, skills and behaviors developed in this course will provide students with the basis for continuing a muscular conditioning program at home for life.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 118 Military Physical Conditioning

Designed to prepare Army ROTC students to excel in the Army Physical Fitness Test (APFT). The APFT measures physical endurance in three timed events: two minutes of push-ups, two minutes of sit-ups and the two-mile timed run. Class is instructed by the Army ROTC Cadre and assisted by the Military Science III Cadets to prepare the MS III's for the Leadership Development and Assessment Course during the summer of their junior year. May be repeated for up to 3 credits. PE 118 for non-ROTC students. MS 118 for ROTC students. May be repeated for up to 6 credits.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 119 Zumba

Contemporary form of aerobic exercise that enhances cardio-respiratory endurance and muscular fitness using dance styles and rhythms from a variety of international countries, including Latin and South America, Africa, the Middle East and Polynesia. Students will learn multiple dance steps/movements and improve overall body conditioning, coordination and motor development.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 120 Intermediate Pilates

Provides students with previous experience in Pilates the opportunity to extend their knowledge and performance of Pilates mat exercises. Intermediate and advanced level exercises as well as anatomical foundations of exercises will be emphasized. Students will enhance their ability to integrate Pilates principles and concepts into their work and further develop their mind-body awareness, postural alignment, core stability, balance and overall muscular strength and flexibility.

May be repeated for up to 6 credits.

**Credits: 2**

**Prerequisite:** PE 116 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 121 Multicultural Dance

Basic movements and rhythmic techniques for performing a variety of multicultural dances to enhance health and well-being, learn about other cultures and experience the joy of dancing in a positive, social atmosphere.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 122 Social Dance I

Basic techniques and variations for performing a variety of social dances to enhance health and wellbeing.

Dance styles will include ballroom (smooth, rhythm and Latin) and country-western partner and line dances.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 123 Social Dance II

Course allows students to continue their learning and experience in social dance.

May be repeated for up to 6 credits.

**Credits: 2**

**Prerequisite:** PE 122

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 131 Individual Health and Fitness

Health values of physical fitness, components and measurements of physical fitness, conditioning programs, designing an individual fitness program, weight control and exercise, nutrition and exercise, disease and exercise, adapted fitness activities and community resources. Lab activities will include exposure to various conditioning programs and completion of an individualized fitness program. Students will be able to assess their own fitness levels and design an appropriate individualized program.

One-hour lecture and two-hour laboratory per week.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 132 Badminton

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 133 Bowling

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.



# Course Descriptions

## PE 134 Golf

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 139 Tennis

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 143 Yoga

Knowledge and practice of various yoga stretches and poses. Yoga consists of the practice of breathing, performing poses and relaxation. Provides a workout for the mind and body.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 144 Energy Yoga

A multi-level (begin/inter/adv) course focused in the energy arts of Eastern Yoga and Asian Qi Gong. Introduces student to basic philosophy, concepts, principles and physical forms associated with the practice of Ashtanga (Hatha) Yoga and Baduanjin Qi Gong.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 145 Tai Chi

Beginning level course in the ancient Chinese art of Taijiquan. Introduces participant to the basic physical movements and principles associated with the five major styles of Taijiquan currently being practiced throughout the world today. The Yang style, 24 posture form (also called simplified form), will be promoted here.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 146 Intermediate Tai Chi

Builds on previous coursework, reinforcing the fundamental principles of Tai Chi practice. Focus on basic physical movements and concepts associated with the five major styles of Tai Chi currently being practiced throughout the world today.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 147 Karate

Beginning level course in the Korean martial art of Tang Soo Do karate. Introduces student to the basic philosophy, concepts, physical forms and principles associated with all major Asian styles of karate.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 150 Basketball

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 152 Indoor Soccer

Introduction to the basic skills and strategies of indoor soccer/futsal. Individual skills of kicking, passing, shooting, receiving the ball, advancing the ball, dribbling, heading and defensive techniques will be covered as well as playing rules, team formation, set plays/restarts, attacking and defensive concepts.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 154 Soccer

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 155 Softball

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 156 Volleyball

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 157 Intermediate Volleyball

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 162 Fitness Swim

Students will learn and practice competitive swim strokes and participate in water aerobic workouts. Student will learn personal water safety skills in order to develop confidence, coordination and relaxation in the water.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 173 Alpine Skiing and Snowboarding

Instruction in the proper techniques of alpine skiing and/or snowboarding with skill development and progression compatible with the ability level of the participant. Various equipment trends and safety concerns will be addressed. The course content rests primarily with extended day trips.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 175 Nordic Skiing and Snowshoeing

Course provides the student with instruction in the proper techniques of Nordic skiing and/or snowshoeing with skill development and progression

# Course Descriptions

compatible with the ability level of the participant. The course content rests primarily with extended day trips. May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 176 Beginning Rock Climbing

Introduction to sport climbing in an indoor climbing facility. Emphasis placed on safety, belay systems, climbing movement, training techniques, anchoring, repelling and taking responsibility for a safe climbing community. Instruction consists of skill introduction, demonstration and discussion followed by practicing new techniques and challenges.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 182 Backpacking

Provides student exposure to the fundamental concepts and guidelines of hiking and backpacking. Course will discuss minimizing the impact on the environment, safety and orienteering. Also examines equipment and new trends. Emphasis rests primarily with extended day hikes and overnight excursions.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 183 Advanced Backpacking

Trains individuals to plan and lead backpacking expeditions. Trail selection and profiling, orienteering, safety and trip planning will be discussed and demonstrated in the field. Main focus is on a four-to seven day backpacking experience in a wilderness environment. Course presupposes basic knowledge of backpacking issues (leave no trace principles, safety and equipment). May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 184 Cycling

Introduction to cycling (road) as a method to achieve health and fitness level goals. Students will be introduced to health-related physical fitness concepts, develop personal health and fitness goals and learn the principles behind basic fitness programming. Students will be introduced to basic bicycle terminology and maintenance, riding technique and safety.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 188 Indoor Cycling

Training using stationary indoor cycling to develop cardio respiratory endurance and muscular fitness. Instructor guidance in warm up, steady up-tempo cadences, sprints, climbs, endurance trials and cool down using proper body alignment and movement mechanics.

May be repeated for up to 6 credits.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PE 199 Special Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 201 General Physics

Algebra-based introduction to general physics for science majors and those pursuing professional programs in the life sciences. This is the first term of a three term sequence that covers the principles and applications of Newtonian mechanics. Topics include: vectors, kinematic equations in 1 and 2 dimensions, Newton's law of motion, dynamics of circular motion, universal gravitation, rotational motion, torque and static equilibrium, elasticity, impulse, momentum and momentum conservation.

Three hours of lecture and three of lab per week integrated into three separate two-hour blocks of active

learning per week.

**Credits: 4**

**Prerequisite:** MTH 111Z or above; MTH 112Z preferred

**Corequisite:** PH 201L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## PH 201L Lab: General Physics

To be taken concurrently with PH 201.

**Credits: 0**

**Corequisite:** PH 201

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 202 General Physics

Course covers work and energy, conservation of energy, thermal properties of matter, heat transfer, laws of thermodynamics, fluids, oscillatory motion, traveling waves, sound, superposition and standing waves.

Three hours of lecture and three of lab per week integrated into three separate two-hour blocks of active learning per week.

**Credits: 4**

**Prerequisite:** PH 201 with a grade of C- or better

**Corequisite:** PH 202L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## PH 202L Lab: General Physics

To be taken concurrently with PH 202.

**Credits: 0**

**Corequisite:** PH 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 203 General Physics

Course covers electric forces and fields, electric potential, resistors and capacitors, circuits, magnetic forces and fields, electromagnetic induction and electromagnetic waves, wave optics and ray optics.

Three hours of lecture and three of lab per week integrated into three separate two-hour blocks of active

# Course Descriptions

learning per week.

**Credits: 4**

**Prerequisite:** PH 202

**Corequisite:** PH 203L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## PH 203L Lab: General Physics

To be taken concurrently with PH 203.

**Credits: 0**

**Corequisite:** PH 203

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 211 General Physics with Calculus

Calculus-based introduction to physics for students in the physical sciences, mathematics, computer science and pre-engineering. Topics include: one dimensional kinematics, vectors and coordinate systems, motion in a plane, Newton's Laws, impulse and momentum and work. Class meets three times a week in two-hour studio format.

**Credits: 4**

**Prerequisite:** *Concurrent enrollment in or completion of MTH 251*

**Corequisite:** PH 211L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## PH 211L Lab: General Physics

To be taken concurrently with PH 211.

**Credits: 0**

**Corequisite:** PH 211

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 212 General Physics with Calculus

Course topics include conservation of energy, rotation of a rigid body, universal gravitation, simple harmonic motion, fluids and elasticity, wave motion, sound, interference and standing waves. Class meets three times a week in two-hour studio format.

**Credits: 4**

**Prerequisite:** *MTH 252 (may be taken concurrently) and PH 211*

**Corequisite:** PH 212L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## PH 212L Lab: General Physics

To be taken concurrently with PH 212.

**Credits: 0**

**Corequisite:** PH 212

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 213 General Physics with Calculus

Course focuses on electricity and magnetism. Topics include: electric charges and forces, fields, Gauss's Law, electric potential, current and resistance, circuit fundamentals, magnetic forces and fields, electromagnetic induction, electromagnetic fields and waves, introduction to optics. Class meets three times a week in two-hour studio format.

**Credits: 4**

**Prerequisite:** PH 212

**Corequisite:** PH 213L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## PH 213L Lab: General Physics

To be taken concurrently with PH 213.

**Credits: 0**

**Corequisite:** PH 213

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 311 Introduction to Modern Physics

Course follows the historical development of modern physics from the beginning of the 20th century. Topics include Einstein's Theory of Relativity, black body radiation, photoelectric effect, Rutherford atom, Bohr atom, Compton scattering, Frank-Hertz effect.

Three lectures and one three-hour

laboratory period.

**Credits: 4**

**Prerequisite:** PH 213

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 312 Introduction to Modern Physics

Introduction to Quantum Mechanics with selected applications. Topics include development of the Schrodinger equation, characteristics of the wave function, particle in a box, scattering, simple harmonic oscillator, spin and angular momentum in QM, applications to atoms and molecules. Three lectures and one three-hour laboratory period.

**Credits: 4**

**Prerequisite:** PH 311

**Corequisite:** PH 312L

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 312L Lab: Introduction to Modern Physics

To be taken concurrently with PH 312.

**Credits: 0**

**Corequisite:** PH 312

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PH 470 Selected Topics in Physics

Topics of special interest such as cosmology, relativity, medical and radiation physics and biophysics.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PHL 100 Critical Thinking: Informal Logic

Introduction to Informal Logic and elements of Critical Thinking, including argument analysis, identification of logical fallacies, understanding biases and prejudices, and honing the skills of constructing cogent arguments.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

# Course Descriptions

## PHL 101 Introduction to Philosophy: Knowledge and Reality

An introduction to philosophical reflection on the fundamental nature of reality, on our knowledge of it and on the justification of that knowledge.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PHL 102 Introduction to Philosophy: Personal Morality and Social Justice

An introduction to philosophical reflection on the nature of morality and justice and to basic principles of practical moral reasoning in private and public life, business, medicine, etc.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PHL 103 Introduction to Logic

Introduction to both informal and formal logic. Informal topics include analysis and evaluation of techniques of reasoning, problem-solving and judgment and decision-making. Formal logic will examine techniques of deductive reasoning.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## PHL 199 Philosophy Discussion

Weekly philosophy discussion group meeting: Terms and hours to be arranged.

May be repeated for up to 15 credits. Pass-No Credit (P/NC) grading only.

**Credits: 1**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PHL 251 Ethics

Covers major classical and

contemporary theories in normative ethics. Will include a study of virtue ethics, natural law, utilitarianism and deontology. Compares the justification of moral judgments with that of scientific judgments.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PHL 252 Medical Ethics

Examines and critically evaluates contemporary issues in medical ethics. Overview of both theoretical and applied issues. Topics may include: patients' rights, privacy of personal medical information, problems surrounding death and dying including the issues of physician-assisted suicide and medical research including issues of human cloning and stem cell research.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Science, Technology, and Society*

## PHL 253 Civil Disobedience and Justice

In this course we will read essays from classical and contemporary thinkers on social justice and civil disobedience in an effort to acquire a better understanding of its historical and contemporary use as a tool for the creation of a more just society when efforts to create social change through other means have failed.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PHL 255 Environmental Ethics

Comprises a study of the unique moral relationship and responsibilities that humans have to the non-human environment. Topics may include: global warming, endangered species, pollution, food production and consumption, limited resources and energy.

**Credits: 4**

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Science, Technology, and Society*

## PHL 282 Philosophy of Art

Introduction to theories of beauty and art and interpretations of the meaning and value of aesthetic experience.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## PHL 283 Philosophy of Religion

Introduction to theories of religion and basic philosophical issues relating to religion, such as the nature and existence of an ultimate reality, the problem of evil, the interpretation of religious language and symbols and the nature of mystical experience.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

**Note:** *Three to six hours of lower-division philosophy recommended as background for upper division courses.*

## PHL 314 Modern European Philosophy

History of European philosophy from the dawn of modern science through the 19th century. Emphasis given to different philosophers in alternate years.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## PHL 316 Contemporary Philosophy

Principal philosophical figures and movements of 20th century philosophy in America and Europe. May include pragmatism, analytic philosophy, existentialism, phenomenology, structuralism, Marxism.

May be repeated once for credit, if

# Course Descriptions

content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PHL 321 Existentialism

Covers major thinkers of philosophical existentialism, which may include French existentialists, German existentialists or religious existentialists. May also cover the work of either of the two main progenitors of existentialism: Soren Kierkegaard and Friedrich Nietzsche.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## PHL 322 19th-Century Philosophy

Covers major figures of 19th-century philosophy.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Citizenship, Social Responsibility, and Global Awareness*

## PHL 323 Continental Philosophy

Covers major schools, figures and topics of 20th century European philosophy.

May be repeated once for credit, if content is different.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PHL 350 Social and Political Philosophy

Philosophical exploration of basic topics and problems of social, political and economic life, theories. Special attention given to principles involved in criticism and justification of institutionalized distributions of power and resources.

**Credits: 4**

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Citizenship, Social Responsibility, and Global Awareness*

## PHL 363 Philosophy of Mind

Exploration of philosophical questions about the mind, mental states and its relation of mind and brain. Main topics are dualism and various forms of materialism, behaviorism, mind-body identity theories and functionalism; the nature and content of mental states (e.g., belief, desire, meaning).

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## PHL 380 Philosophy of Law

Philosophical examination of major issues and concepts in law. Covers theories of jurisprudence such as natural law theory, legal positivism and critical legal studies, areas of criminal and constitutional law such as self-defense, insanity defense, civil liberties, etc.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PHL 406 Special Individual Studies

Terms and hours to be arranged. Individual or special studies in a specific area of interest, under the guidance of a designated faculty member.

May be repeated for up to 15 credits, if content is different.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PS 193 Introduction to Model United Nations

An introduction to Model United Nations, international issues, policy making and the activities of the United Nations. Students develop public speaking, research and writing, negotiation, interpersonal and leadership skills while role playing United Nations delegates at MUN

conferences locally and regionally.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.  
**Foundational Skills:** *Critical Thinking*

## PS 199 Special Studies

Terms and hours to be arranged. Special studies designed to develop research, writing, career related or participatory skills at a basic level in a variety of political science/public policy and administration areas, such as Model United Nations, Great Decisions in U.S. Foreign Policy, government or campaign experiences.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 201 American National Government

An introduction to the study of political institutions, public policy and public opinion in the United States.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PS 202 State and Local Government

A survey of government operations, political processes, contemporary issues, problems and recent reforms relating to the state and local levels, with emphasis on Oregon.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PS 203 International Relations

An introduction to the analysis of relations among nations, international organizations, global problems and possibilities.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

# Course Descriptions

## PS 204 Governments of the World

An introduction to diverse political systems found throughout the world, with special emphasis on political concepts such as formal government institutions, political participation and socialization, ideologies, power, authority and democratization.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PS 350 Introduction to Public Policy

An investigation of the political processes and substantive content of American public policy, patterns of problem identification, policy creation, approval, implementation and evaluation. Consideration of selected contemporary national, state and local policies.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 351 Introduction to Public Administration

Investigation of the role of public administration in the political process; administrative organization; basic problems of management; personnel and financial administration. An analysis of the continuing role of bureaucracy in the solution of public problems.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 355 Civic Literacy and Engagement

An examination of the American political system with a focus on interpreting and analyzing political debate and policy formation and on increasing civic literacy and engagement. Course will present several analytical methods and

students will design and implement a civic engagement project.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 360 U.S. Foreign and National Security Policy

An advanced study of the origin, policymakers, character and consequences of U.S. foreign and national security policy with an emphasis on policymaking and issues since 1945.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 375 Scope and Methods of Political Science

An introduction to the history, nature and methods of political science as a discipline. Examines a variety of conceptual tools used to study politics, including qualitative and quantitative research methods.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 393 Advanced Model United Nations

Advanced orientation to Model United Nations, international issues, policy making and the activities of the United Nations. Students will improve public speaking, research and writing, negotiation, interpersonal and leadership skills while role playing United Nations delegates at MUN conferences locally, nationally and internationally.

May be repeated for up to 12 credits.

**Credits: 1 or 4**

**Prerequisite:** *PS 193 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 399 Special Studies

Special studies designed to develop research, writing, career-related or participatory skills at an advanced level in a variety of political science/public policy and administration areas.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Prerequisite:** *PS 199 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 406 Special Individual Studies

Terms and hours to be arranged. Individualized course of study within political science/public policy and administration developed in consultation with the instructor.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 407 Seminar

Terms and hours to be arranged. Special seminar topic offerings in the political science/public policy and administration discipline.

May be repeated for up to 12 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 410 Political Science Internship

Provides opportunities for practical experience with federal, state, and local agencies, the Oregon Legislature, city councils, legal offices, political campaigns, non-profit organizations, human resource offices, or interest group and advocacy activities.

May be repeated up to 12 credits.

# Course Descriptions

Eligible for the RP grade option.

**Credits: 4 or 8**

**Prerequisite:** *Consent of instructor and at least 3.00 GPA*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 414 Political Parties, Pressure Groups and Elections

An analysis of the nature, organization and operation of political parties, pressure groups and elections with special attention to their functions in the American political process. A consideration of current problems and reforms in the area.

**Credits: 4**

**Prerequisite:** *PS 201 or consent of instructor*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 416 Politics and Communication

An examination of the relationship between politics and communication and how it affects American society. Emphasis is on the politics of communication, the ways in which institutions of mass media, particularly television, help create, advance and reinforce public opinion and political agendas.

**Credits: 4**

**Prerequisite:** *PS 201 or consent of instructor*

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to

choose the Satisfactory/No Credit grading option.

## PS 419 American Presidential Elections

Examination of the processes and outcomes of American presidential elections with emphasis on the period from 1952 to the present.

**Credits: 4**

**Prerequisite:** *PS 201 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 423 Issues in National Policy

A detailed analysis of the functions and policies of American national government with emphasis on selected contemporary problems and issues.

**Credits: 4**

**Prerequisite:** *PS 201 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 424 Policy-Making in the States

An examination and analysis of selected key issues and characteristics of contemporary state government.

**Credits: 4**

**Prerequisite:** *PS 201 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 425 Native American Politics and Policy

Explores the history and current dynamics of Native American politics and public policy. The political and policy elements that all tribes share are considered, as well as the variation among them. The situations and challenges of Oregon tribes receive specific attention.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade

of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 426 Federalism and Intergovernmental Relations

Constitutional, political, financial and administrative patterns that operate within the American federal system and a comparison of selected non-American federal systems.

**Credits: 4**

**Prerequisite:** *PS 201 and PS 202 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 430 The Aging Society

Analyzes the demographic, economic, social and political dimensions of our aging population. Attention given to the unique nature, needs and policy implications of the growing elderly population.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 432 Global Health Policy

Examines a range of transnational health issues, including the COVID-19 pandemic, global HIV/AIDS epidemic, malaria, and malnutrition. Students will learn about the major international institutions and programs designed to improve global health, such as the World Health Organization, the World Food Program, UNICEF, and the United Nations Sustainable Development Goals.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 433 Health Care Politics and Policy

Fundamentals of health care access in

# Course Descriptions

the United States. Topics include: Medicare and Medicaid systems; evolving nature of private health care insurance systems; concerns and influence of interest groups and political parties in this field; and the prospects for reform.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 435 Women and Politics

Analysis of the socioeconomic and political status of women, the structures and concerns of the feminist movement, public policy issues relevant to the status of women and roles women play in the political arena.

**Credits: 4**

**Prerequisite:** PS 201 and PS 202 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 436 Gender and Public Policy

Examines public policy, the policy process and policymaking institutions through a "gender lens." It deals with how gender differences affect the identification of public policy problems, their perceived importance and their potential solutions, the differences between male and female policymakers and the differential gender impact of policies.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 440 Causes of War

A theoretical and empirical overview of the causes of war and conflict. Students will learn the main

international relations theories, specific causes of war from the causes of war literature and analysis of case studies including World War II, the Iraqi wars and the Israeli conflicts.

**Credits: 4**

**Prerequisite:** PS 203

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 441 Causes of Peace

A theoretical and empirical overview of the causes of peace, as opposed to the causes of war, in the world. Students will study ways of achieving peace at the individual, community, national and international levels. The lives and writings of prominent pacifists will be examined.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 442 Peacebuilding and Public Policy

Examines major public policies that make a contribution to peace in the world and explores ways in which people can lead more peaceful lives and create more peaceful societies. Policies that promote peace education, sustainability, restorative justice, responsible consumption, and health are studied.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit

grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 443 Great Peacemakers

Examines major figures who have made a contribution to peace in the world and explores the ways in which people can create more peaceful societies. Students will analyze the lives and writings of peacemakers such as Martin Luther King, Mohandas Gandhi, Desmond Tutu, Thich Nhat Hanh, and Dorothy Day.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 445 Introduction to Policy Analysis

A study of the process and problem of policy analysis with a focus on the limitations and proper use of analytical techniques.

**Credits: 4**

**Prerequisite:** PS 201 or consent of instructor

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Science, Technology, and Society*



# Course Descriptions

## PS 447 Environmental Politics and Policy

An analysis of the history, politics and implementation of national environmental policy and the most important environmental laws and organizations.

**Credits: 4**

**Satisfactory Grading:**

Ineligible for the Satisfactory/No Credit grade mode if you are a Political Science major.

If you elect S/NC grading the course cannot be used to meet Political Science requirements even if a grade of S is earned.

If you are in a major other than Political Science you are eligible to choose the Satisfactory/No Credit grading option.

**Integrating Knowledge** *Science, Technology, and Society*

## PS 449 Environmental Values and Political Action

Surveys the values and philosophies that influence the level and nature of political activism in environmental and natural resource issues. Analysis focuses on "classic" and contemporary writings ranging from ecocentrism to the wise use and market-oriented perspectives and their practical influence.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 451 Political Theory: Plato to Marx

An examination of the history of political thought from Plato, Aristotle, Cicero and Aquinas to Machiavelli, Hobbes, Locke, Rousseau, Wollstonecraft, Mill and Marx.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 452 Political Theory: Marx to Habermas

An examination of modern political thought from Marx, Nietzsche, Weber and Freud to Arendt, Fanon, Rawls

and Habermas.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 454 Public Personnel Administration

A study of governmental personnel systems. Topics include the underlying values of public personnel administration, classification, pay and benefits, evaluation, recruitment, training, affirmative action and collective bargaining.

**Credits: 4**

**Prerequisite:** PS 351 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 455 Public and Nonprofit Management

This course focuses on management strategies and skills needed for students seeking to work in public and nonprofit organizations. Students will gain a practical understanding of organizational theories pertinent to the public and nonprofit sector.

**Credits: 4**

**Prerequisite:** PS 350 or PS 351

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 456 Advocacy and Public Policy

This course introduces students to the major processes, concepts, and issues related to advocacy and public policy for nonprofit organizations. The course specifically examines how policy influences these types of agencies, as well as how these agencies may impact public policy.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 457 Government and Politics of Europe and Asia

A comparative study of political cultures, ideologies, governments and contemporary issues in selected European and Asian states.

**Credits: 4**

**Prerequisite:** PS 204 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 458 Veterans in Transition

Examines military experiences and their relationship to the movement of veterans into the civilian context, with special focus on veterans who have been deployed in potential areas of hostility or combat. Also explores the impact of war experiences on the significant others of veterans who have been exposed to war.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 459 Government and Politics of Latin America

Explores the history, politics and political economy of Latin America in general and select Latin American countries in particular.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 461 Politics and Government of Post-Communist States

A comparative study of political cultures, ideologies, governments and contemporary issues in selected post-Communist nations.

**Credits: 4**

**Prerequisite:** PS 203 and PS 204 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 463 Government and Politics of Developing Nations

A comparative study of political cultures, ideologies, governments and contemporary issues in selected developing nations.

**Credits: 4**

**Prerequisite:** PS 203 and PS 204 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## PS 464 Government and Politics of Africa

Examines South African politics within a wider sub-Saharan and African context. South Africa's most pressing problems and challenges, such as the AIDS pandemic, economic inequality, race relations, land redistribution, health care, environmental degradation and immigration are explored.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 465 Government and Politics of the Middle East

A survey of the major social and political issues in the Middle East, such as the role of Islam, pan-Arabism, nationalism, democratization, gender and society, relations with the West, the Israeli-Palestinian conflict and the Iraq wars.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 466 Governmental Budgeting

A study of the political, fiscal, policy and management aspects of budget formation and implementation in American state and national governments.

**Credits: 4**

**Prerequisite:** PS 351 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 469 Congress and the Presidency

An investigation of the structures, powers, operations, politics and problems of the American congress and the presidency with emphasis on the functioning of separation of powers.

**Credits: 4**

**Prerequisite:** PS 201 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 471 Immigration Politics and Policy

An introduction to the politics, policies, concepts, theories and issues surrounding immigration to the United States. Topics include the history of immigration to America, settlement patterns, push and pull forces, assimilation, national identity and national security in the post 9/11 age of globalization.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 473 Globalization Issues

A study of the political, social, economic and cultural forces that are transforming the modern world. Considers the ways in which people and countries are increasingly interconnected by technology, immigration, culture, the environment, international trade and economics.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 477 International Environmental Politics

An introduction to the issues, processes and actors of international environmental politics. Issues to be covered will be the creation and evolution of international environmental actions including domestic and international processes and in-depth examinations of cases.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 478 Political Fiction and Film

A study of political belief systems, behaviors, relationships and concepts (justice, moral choice, liberty) in various cultures and time periods through the media of the political novel and film.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 479 American Constitutional Law

An introduction to the study of American constitutional law that involves a detailed case-study approach in which the students prepare briefs on case law.

**Credits: 4**

**Prerequisite:** PS 201

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 480 Administrative Law

An advanced review of the legal context of public administration. The legal process within the bureaucracy and the duties and responsibilities of the individual administrator receive particular attention.

**Credits: 4**

**Prerequisite:** PS 351 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 484 American Jurisprudence

Course improves understanding of how the law works and of legal reasoning through reading and discussion of cases and essays. It covers concrete legal principles and more abstract reflection on the sources and functions of the law.

**Credits: 4**

**Prerequisite:** PS 201 or consent of instructor and at least junior standing

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 485 Legal Reasoning and Writing

Course for those considering a career in the law. Training in the use of legal research sources, briefing cases, writing legal briefs and arguing cases in topical areas in both civil and criminal law.

**Credits: 4**

**Prerequisite:** PS 201 or consent of instructor and at least junior Standing

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## PS 486 International Organizations and Law

An advanced study of the principles, sources and basic concepts of international organization and law. Issues to be covered will be the creation and evolution of international organizations and law, their relation with states, and their effectiveness in alleviating global problems.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 490 Community Politics

An analysis of political processes, institutions, problems and issues at the local level with emphasis on metropolitan areas, city management and federal/state/urban relations.

**Credits: 4**

**Prerequisite:** PS 202 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 492 Political Ideologies

Capitalism, liberalism, conservatism, communism, socialism and fascism considered as world views and politico-economic systems in various cultures, with emphasis on comparative values and methods.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## PS 494 Human Rights

Introduction to the historical, substantive and theoretical evolution of human rights, the actors involved in producing, implementing and enforcing human rights and several human rights cases.

**Credits: 4**

**Prerequisite:** PS 203

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 495 Public Sector Labor Relations

Introduction to labor relations in the public sector. Topics include the historical background and legal environment of public sector unions, the fundamentals of collective bargaining, including processes, politics and methods of resolving impasses, the implementation of collective bargaining agreements, including grievance procedures and the impact of unions on public personnel policies.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PS 530 The Aging Society

Analyzes the demographic, economic, social and political dimensions of our aging population. Attention given to the unique nature, needs and policy implications of the growing elderly population.

**Credits: 3**

## PS 536 Gender and Public Policy

Examines public policy, the policy process and policymaking institutions through a "gender lens." It deals with how gender differences affect the identification of public policy problems, their perceived importance and their potential solutions, the differences between male and female policymakers and the differential gender impact of policies.

**Credits: 4**

## PS 554 Public Personnel Administration

A study of governmental personnel systems. Topics include the underlying values of public personnel administration, classification, pay and benefits, evaluation, recruitment, training, affirmative action and collective bargaining.

**Credits: 4**

**Prerequisite:** *Consent of instructor required for undergraduate-level students*

## PS 555 Public and Nonprofit Management

This course focuses on management strategies and skills needed for students seeking to work in public and nonprofit organizations. Students will gain a practical understanding of organizational theories pertinent to the public and nonprofit sector.

**Credits: 4**

**Prerequisite:** *Consent of instructor required for undergraduate-level students.*

## PS 556 Advocacy and Public Policy

This course introduces students to the major processes, concepts, and issues related to advocacy and public policy for nonprofit organizations. The course specifically examines how policy influences these types of agencies, as well as how these agencies may impact public policy.

**Credits: 4**

## PS 566 Governmental Budgeting

A study of the political, fiscal, policy and management aspects of budget formation and implementation in American state and national governments.

**Credits: 4**

**Prerequisite:** *Consent of instructor required for undergraduate-level students*

## PS 579 American Constitutional Law

An introduction to the study of American constitutional law that involves a detailed case-study approach in which the students prepare briefs on case law.

**Credits: 4**

## PS 580 Administrative Law

An advanced review of the legal context of public administration. The legal process within the bureaucracy and the duties and responsibilities of the individual administrator receive

# Course Descriptions

particular attention.

**Credits: 4**

## PS 594 Human Rights

Introduction to the historical, substantive and theoretical evolution of human rights, the actors involved in producing, implementing and enforcing human rights and several human rights cases.

**Credits: 4**

## PSY 199 Special Studies

Terms and hours to be arranged. May be repeated for credit.

**Credits: 1-3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 201 General Psychology

A study of the science of human behavior and experience. Areas covered may include: research methods, biological bases of behavior, learning, memory, perception, cognition and development.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PSY 202 General Psychology

A study of the science of human behavior and experience. Areas covered may include: consciousness, personality, health psychology, motivation, intelligence, abnormal behavior, psychotherapy and social psychology.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## PSY 218 Psychological Foundations of Education

A survey of psychological topics relevant to educational settings. These topics may include child and adolescent development, learning, memory, cognitive processes,

motivation, assessment and behavioral management. This course is designed for education majors. Psychology majors should not take this course.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 300 Introduction to the Major: Careers and Opportunities

Introduces students to the psychology major and explores career opportunities and graduate school. Professional and career development theory will be reviewed. Students are encouraged to apply class material to personal decision-making.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 301 Introduction to Research Methods

An exploration of psychological research including topics of design, methodology, statistical analysis and report-writing. Course activities include a significant student-research project and may include meetings with the instructor outside of regularly scheduled class meeting times.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 310 Building Resilience in Children

Resilience is the ability to overcome hardships and bounce back after challenging life experiences. Positive relationships with caring adults build resilience in children. In this course, you will learn content relevant to working with and building resilience in children from diverse backgrounds. You will apply your knowledge in weekly interactions with children at Independence Elementary School (IES). Children at IES are especially vulnerable and in need of support with resilience as they experience high rates of poverty, parental incarceration, and traumatic childhood experiences (ACES). This course

involves weekly class meetings at WOU and 20 hours of service learning work with children at IES. Students must pass a criminal background check.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*  
**Note:** Students must pass a Central School District criminal background check. Travel off campus is required as students will complete 20 hours of service learning work at Independence Elementary School in Independence, Oregon.

## PSY 311 Developmental Psychology

The psychological study of human development from conception to death. Stages and issues of development throughout the lifespan are identified and examined.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 328 Mental Health

A survey of theories of adequate and optimal psychological functioning. A study of processes that may lead to the development of adaptive functioning and its maintenance and how these processes may be brought into play in the individual's environment or community.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 334 Social Psychology

Examines the function and mechanisms underlying how people think about, influence and relate to one another. A central theme is the continual interaction between the person and the situation. Topics covered: formation and changing of attitudes; strategies of social influence; intricacies of close relationships; interpersonal conflict and aggression;

# Course Descriptions

helping behavior; and group productivity and decision-making.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 336 Introduction to Forensic Psychology

Explores the relationship between the study of psychology and law. Specifically, how psychological practice and theory can be utilized by law enforcement, courts and others involved with the justice system to help arrive at appropriate decisions regarding such issues as incarceration, treatment, insanity, competence to stand trial and child custody determination.

**Credits: 4**

**Prerequisite:** PSY 202; PSY 201 recommended

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 349 Introduction to Behavior Modification

A survey of behavior modification topics including principles of learning and relevant methodology. An exploration of practical applications.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 350 Evolutionary Psychology

Introduction to the study of psychology from an evolutionary perspective. We will apply to humans the same adaptationist lens that evolutionary biologists apply to other species. The evolved function of various psychological mechanisms will be considered. Course will begin with an in-depth introduction to evolution by natural selection, followed by a survey of more specific psychological phenomena studied from an evolutionary perspective.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of

*instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 360 Cognitive Psychology

This class provides an overview of basic topics in cognitive psychology including learning, memory, attention, sensation, perception, language/phonology and problem-solving.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 390 Theories of Learning

Survey of fundamental concepts of learning including classical, instrumental and operant conditioning. Investigates the spectrum of learning and human behavior from reflexes and simple learning to thinking and language.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 398 Graduate Study in Psychology: Exploration and Preparation

Graduate school application process will be explored in detail. Various professional opportunities and roles resulting from graduate study in psychology will be explored. Students will complete the required materials for graduate applications.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) and consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 399 Special Studies

Terms and hours to be arranged. May be repeated for credit.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 400 Human/Animal Bond

This course traces our long-standing relationship with domesticated pets. Research indicates that companion animals serve various important functions in the lives of humans including; increasing psychological and physical health, the teaching of responsibility and social skills in children, provide service to those with disabilities, work with first responders to save lives and decrease loneliness in older adults. This class will also focus on the impact that the death of a companion pet has on an individual or family members.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 403 Peer Advising

The course spans three terms (Fall, Winter and Spring). Students will be trained as Peer Advisors and staff the Psychological Sciences Peer Advising Center. Students will learn peer advising theory and be trained to assist fellow peers in academic planning.

May be repeated for up to 16 credits Eligible for the RP grade option.

**Credits: 1-6**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 406 Special Individual Studies

Designed for individual or special studies in a defined area of interest under the guidance of a designated faculty member.

May be repeated for credit.

**Credits: 1-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 407 Seminar

Terms and hours to be arranged. May be repeated for credit.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## PSY 408 Workshop

Terms and hours to be arranged.  
May be repeated for credit.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 409 Practicum

Field experience in applied psychology.

May be repeated for credit.

**Credits: 1-9**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 410 Mentoring I

Student will serve as a mentor for an "at risk" middle school or high school student. Mentors help students develop skills for academic success, emotional and social growth and provide a forum for developing problem-solving approaches to concerns and issues. Students receive training on the mentoring process, goal-setting and communication. Does not apply toward a psychology major/minor.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 411 Mentoring II

Students continue to mentor, collect, analyze and present data on mentoring progress towards goals.

**Credits: 1-4**

**Prerequisite:** *PSY 410*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 414 Animal Psychology

Addresses the question of how animals think and experience the world. Students will apply scientific, evolutionary, and philosophical lenses to analyze animal behavior and explore the ethics of our treatment of other species.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY

360 recommended.

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## PSY 415 Psychology of Sports

This course will survey the current state of the psychology of sports. Psychological theory and research findings will provide the basis for suggestions about applications to sport situations. A central focus will be on the critical and empirical evaluation of the common knowledge in this area.

**Credits: 4**

**Prerequisite:** *PSY 201 and PSY 202 (or equivalent)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 420 Advanced Topics in Geropsychology

Each time course is offered a single special topic in geropsychology or gerontology will be studied in-depth. Topics may include diseases of older adulthood, applied applications of gerontology, social aspects of aging, long-term care issues, regulatory issues, brain health or the effects of positive lifestyles on the aging process.

May be repeated for credit, if content is different.

**Credits: 4**

**Prerequisite:** *PSY 201 and PSY 311 (or equivalent)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 423 Interviewing and Appraisal

Exploration of the interview as a method of information gathering and interpersonal influence. Topics include training in specific interviewing skills, multicultural considerations in interviewing, ethical practice of interviewing and the application of interviewing skills. Examples will be drawn from any areas of human interaction including the helping professions and business.

**Credits: 4**

**Prerequisite:** *PSY 201 and PSY 202 (or equivalent)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 425 Drug and Alcohol Assessment

Provides an overview of the current knowledge related to substances and the psychological assessment of substance use. Objectives include increased knowledge about the co-occurrence of substance use and other mental health concerns or disability statuses; diversity and ecological perspectives about substance abuse; and the ethical assessment, diagnosis, prevention and treatment of substance abuse concerns.

**Credits: 4**

**Prerequisite:** *PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 423 recommended*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 426 History of Psychology

Historical study of psychologists, basic psychological concepts and theories.

**Credits: 4**

**Prerequisite:** *PSY 201 and PSY 202 (or equivalent)*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 427 Crisis Assessment and Intervention

This course offers students an overview of current best practices, roles and functions, ethics, and professional practice in the field of crisis intervention. Crises occur when an individual's usual coping mechanisms fail in the face of a perceived challenge or threat leading the individual to experience impairment and distress. Crises explored in this class include but are not limited to mental health crises, suicidal ideation, intimate partner violence, and financial crises. Student will also learn about the issues involved with assessing dangerous behavior and how to develop a safety plan.

**Credits: 2**

**Prerequisite:** *PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 423 recommended*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## PSY 435 Theories of Personality

Exploration of major historical and contemporary theories of personality development and functioning and their relation to current issues in psychology. Research resulting from the theories, as well as personal application of the theories, will be emphasized.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 437 Advanced Social Psychology

An in-depth study of several social-psychological theories and their application to social issues and interactions. Topics may include small-group interaction and functioning, social cognition, attitudes and persuasion, social influence and social relations.

**Credits: 4**

**Prerequisite:** PSY 334 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 438 Advanced Forensic Psychology

Designed to delve deeper into many of the challenging practical, moral and social dilemmas faced within the field of forensic psychology. Students will apply a critical focus to the utility of psychological practices (both research and psychotherapeutic) in the courtroom, as well as gain an understanding of the legal personnel with whom they may interact. Other topics may include: neuropsychology research, serial murder and profiling, treatment within corrections; sex offending and child welfare.

**Credits: 4**

**Prerequisite:** PSY 336

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 439 Positive Psychology

Examines psychological factors and principles that help explain positive outcomes, well-being and personal growth in humans. Areas of focus will

include positive emotional experiences and appraisals such as happiness, life satisfaction, well-being, positive personal characteristics, interests and values and positive institutions as they promote growth and fulfilling experiences. There will be a significant applied component of the class in which students will explore their own reactions and personal qualities.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 443 Psychology of Teamwork

Provides students with opportunity to increase self awareness of their existing teamwork skills, develop stronger teamwork skills, as well as learn and apply social psychological principles aimed at increasing group effectiveness. Topics covered include: group development, social interdependence, group communication and decision-making, managing conflict, enhancing group creativity and leveraging diversity. Course activities may include several large scale group projects and meetings with other students in their groups outside of regularly scheduled class time.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 334 recommended  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 445 Introduction to Industrial/Organizational Psychology

Students will examine how psychology is applied to workplace in settings such as industry, business, government and social service. Topics include trends in organizational and job design, personnel selection and placement, training, performance appraisal, work motivation, job satisfaction and leadership. Course activities include weekly quizzes, several projects interviewing members of various organizations, keeping a work journal and in-class participation in the form of

analyzing case studies.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 334 recommended  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 446 Psychology of Leadership

Introduction to leadership, focusing on what it means to be a good leader. Emphasizes the practice of leadership. Examines topics such as: the nature of leadership, recognizing leadership traits, developing leadership skills, creating a vision, setting the tone, listening to out-group members, handling conflict, overcoming obstacles and addressing ethics in leadership. Helps students understand and improve their own leadership performance. Activities may include a service-learning component with a community organization, analyzing case studies and developing individual leadership portfolios.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 334 recommended  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 447 Organizational Consulting

Students will identify and enhance their skills for effective managing and/or consulting within a variety of organizations. Topics include: building process consulting skills, models of organizational change; diagnosis and feedback of organizational challenges; evidence-based intervention strategies at the individual, group, inter-group and organizational level; and minimizing resistance to change. Course activities may include lectures and discussions; role plays; exercises; and simulations.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 445 recommended  
**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## PSY 448 Topics in Organizational Psychology

Topics may include at different times: strategic planning and implementation; productivity issues; career development with organizations; managerial participative management programs, negotiation, mediation and arbitration processes; occupational safety and health.

May be repeated for credit, if content is different.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 334 recommended

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 449 Psychology of Creativity

Examines and integrates a broad range of creativity research in psychology and related scientific fields including anthropology, sociology and cognitive neuroscience. Topics include individual creativity as well as the social and cultural contexts of creativity, including the role of collaboration in the creative process.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 450 Psychopathology

Exploration of the nature, causes and treatment of various forms of mental health concerns and disorders in adults. A range of abnormalities will be examined from reactions to stressful events to psychosis. The criteria for the various mental disorders as defined by the Diagnostic and Statistical Manual of the American Psychiatric Association will be reviewed. Course will integrate perspectives generated from the biopsychosocial perspective.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 451 Behavioral Neuroscience

A study of the ways that the physiology of the brain and body are related to behavior. Sub-topics may include sleep and dreaming, learning and memory, pain, sexual behavior, disordered emotional states and psychopharmacologic agents.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 458 Language Development

Overview of contemporary theory, research and issues related to language development. Topics include phonological, semantic, syntactic and morphological development, communicative competence and the underlying physiological and cognitive mechanisms of language acquisition.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 (or equivalent), PSY 311 recommended

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 460 Cognitive Neuroscience Seminar

This class covers advanced topics in cognitive science including cognitive development, cerebral localization of function, hemispheric interaction/differences, individual differences in cognition, object recognition, face recognition, spatial perception and neuropsychological disorders.

May be repeated for credit, if content is different.

**Credits: 1-4**

**Prerequisite:** PSY 360 or PSY 451

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 461 Psychopharmacology

Designed to acquaint students with the fundamentals of psychotropic drugs and their action within the nervous system. Basics of pharmacology, adverse effects, indications and drug interactions will be discussed.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 463 Childhood Psychopathology

Examination of the nature, causes and treatment of emotional and social challenges in children and adolescents. A broad range of issues will be examined from minor problems in living to psychotic breaks with reality and self-destructiveness. The home, school and cultural environments will be examined as well as possible genetic and biological determinations of the mental health of children and youth.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 and PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 465 Motivation

Deals primarily with human motivation. Topics such as stress, conflict, learned motives, arousal and unconscious determinants will be considered.

**Credits: 4**

**Prerequisite:** Three or more hours of 300-level psychology

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 467 Quantitative Methods

Methods that psychologists use to describe, summarize and make inferences about measurements made on people, things or events. Course activities include a significant student-research project and may include meetings with the instructor outside of regularly scheduled class meeting times.

**Credits: 4**

**Prerequisite:** PSY 301 and MTH 105Z or higher for students completing an BAS or BS in Psychology

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 468 Advanced Research Methods

Experimental, correlational and survey



# Course Descriptions

methods employed in psychological research with an emphasis on statistical analysis. Course activities include a significant student-research project and may include meetings with the instructor outside of regularly scheduled class meeting times.

**Credits: 4**

**Prerequisite:** PSY 467 with a grade of C- or better

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 473 Sensation and Perception

Principles and theories relating to sensory stimulation and perceptual processes will be explored. Psychophysical methods will be used to demonstrate human visual and auditory processes.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 480 Infancy and Childhood

Theory and research related to prenatal, infancy and early childhood phases. Includes study of the motor, emotional, cognitive, social and linguistic domains with emphasis on applications for professionals offering services to young children and their families.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 and PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 481 Middle and Late Childhood

Theory and research related to children who are between school age and adolescence. Emphasis on socialization, cognitive development and deviations from typical development.

**Credits: 3**

**Prerequisite:** PSY 201 or PSY 218 and PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 482 Adolescence

Study of the transitions and issues of adolescence. Includes an overview of theory and research with an emphasis on applications for parents, teachers and professionals offering services to adolescents and youth.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 and PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 483 Adulthood and Aging

Examination of current models of aging. Includes theory and research relevant to early, middle and late adulthood. Emphasis on applications of information concerning the issues of adulthood.

**Credits: 4**

**Prerequisite:** PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 484 Death, Dying and Grief

Focuses on numerous topics related to the developmental processes of death, dying and grief throughout the lifespan. Course activities will include significant in-class written and oral projects as well as out-of-class excursions.

**Credits: 4**

**Prerequisite:** PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 487 Cross-Cultural Psychology

Study of the relationship between culture and psychological functioning.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 488 Theories of Development

Theories of human development across the lifespan are examined, integrated and compared. Assumptions of major, contemporary theories of development are studied including a review of related research

findings and consideration of practical applications.

**Credits: 4**

**Prerequisite:** PSY 201, PSY 202 and PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 489 Special Topics in Developmental Psychology

Single special topic in development will be studied in-depth. Topics may include the development of sex roles, moral development or social skills training.

May be repeated for credit, if content is different.

**Credits: 1-9**

**Prerequisite:** PSY 201, PSY 202 and PSY 311 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 492 Psychology of Women

Application of psychological methods to the study of women's roles and behavior. Sub-topics may include development, sexuality, achievement, aptitudes and work.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## PSY 515 Psychology of Sports

This course will survey the current state of the psychology of sports. Psychological theory and research findings will provide the basis for suggestions about applications to sport situations. A central focus will be on the critical and empirical evaluation of the common knowledge in this area.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

## PSY 525 Drug and Alcohol Assessment

Provides an overview of the current knowledge related to substances and the psychological assessment of substance use. Objectives include increased knowledge about the co-

# Course Descriptions

occurrence of substance use and other mental health concerns or disability statuses; diversity and ecological perspectives about substance abuse; and the ethical assessment, diagnosis, prevention and treatment of substance abuse concerns.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 423 recommended

## PSY 527 Crisis Assessment and Intervention

This course offers students an overview of current best practices, roles and functions, ethics, and professional practice in the field of crisis intervention. Crises occur when an individual's usual coping mechanisms fail in the face of a perceived challenge or threat leading the individual to experience impairment and distress. Crises explored in this class include but are not limited to mental health crises, suicidal ideation, intimate partner violence, and financial crises. Student will also learn about the issues involved with assessing dangerous behavior and how to develop a safety plan.

**Credits: 2**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent) or consent of instructor; PSY 423 recommended

## PSY 535 Theories of Personality

Exploration of major historical and contemporary theories of personality development and functioning and their relation to current issues in psychology. Research resulting from the theories, as well as personal application of the theories, will be emphasized.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

## PSY 537 Advanced Social Psychology

An in-depth study of several social-psychological theories and their application to social issues and interactions. Topics may include small-group interaction and functioning,

social cognition, attitudes and persuasion, social influence and social relations.

**Credits: 4**

**Prerequisite:** PSY 334 (or equivalent)

## PSY 550 Psychopathology

Exploration of the nature, causes and treatment of various forms of mental health concerns and disorders in adults. A range of abnormalities will be examined from reactions to stressful events to psychosis. The criteria for the various mental disorders as defined by the Diagnostic and Statistical Manual of the American Psychiatric Association will be reviewed. Course will integrate perspectives generated from the biopsychosocial perspective.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

## PSY 551 Behavioral Neuroscience

A study of the ways that the physiology of the brain and body are related to behavior. Sub-topics may include sleep and dreaming, learning and memory, pain, sexual behavior, disordered emotional states and psychopharmacologic agents.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202 (or equivalent)

## PSY 561 Psychopharmacology

Designed to acquaint students with the fundamentals of psychotropic drugs and their action within the nervous system. Basics of pharmacology, adverse effects, indications and drug interactions will be discussed.

**Credits: 4**

## PSY 563 Childhood Psychopathology

Examination of the nature, causes and treatment of emotional and social challenges in children and adolescents. A broad range of issues will be examined from minor problems in living to psychotic breaks with reality and self-destructiveness. The home,

school and cultural environments will be examined as well as possible genetic and biological determinations of the mental health of children and youth.

**Credits: 4**

**Prerequisite:** PSY 201 or PSY 218 and PSY 311 (or equivalent)

## PSY 565 Motivation

Deals primarily with human motivation. Topics such as stress, conflict, learned motives, arousal and unconscious determinants will be considered.

**Credits: 4**

**Prerequisite:** Three or more hours of 300-level psychology

## PSY 580 Infancy and Childhood

Theory and research related to prenatal, infancy and early childhood phases. Includes study of the motor, emotional, cognitive, social and linguistic domains with emphasis on applications for professionals offering services to young children and their families.

**Credits: 4**

## PSY 581 Middle and Late Childhood

Theory and research related to children who are between school age and adolescence. Emphasis on socialization, cognitive development and deviations from typical development.

**Credits: 3**

## PSY 582 Adolescence

Study of the transitions and issues of adolescence. Includes an overview of theory and research with an emphasis on applications for parents, teachers and professionals offering services to adolescents and youth.

**Credits: 4**

## PSY 583 Adulthood and Aging

Examination of current models of aging. Includes theory and research relevant to early, middle and late adulthood. Emphasis on applications

# Course Descriptions

of information concerning the issues of adulthood.

**Credits: 4**

## **PSY 584 Death, Dying and Grief**

Focuses on numerous topics related to the developmental processes of death, dying and grief throughout the lifespan. Course activities will include significant in-class written and oral projects as well as out-of-class excursions.

**Credits: 4**

**Prerequisite:** PSY 201, PSY 202 and PSY 311 (or equivalent)

## **PSY 587 Cross-Cultural Psychology**

Study of the relationship between culture and psychological functioning.

**Credits: 4**

**Prerequisite:** PSY 201 and PSY 202

## **PSY 588 Theories of Development**

Theories of human development across the lifespan are examined, integrated and compared.

Assumptions of major, contemporary theories of development are studied including a review of related research findings and consideration of practical applications.

**Credits: 4**

**Prerequisite:** PSY 201, PSY 202 and PSY 311 (or equivalent)

## **PSY 589 Special Topics in Developmental Psychology**

Single special topic in development will be studied in-depth. Topics may include the development of sex roles, moral development or social skills training.

May be repeated for credit, if content is different.

**Credits: 1-9**

**Prerequisite:** PSY 201, PSY 202 and PSY 311 (or equivalent)

## **PSY 592 Psychology of Women**

Application of psychological methods to the study of women's roles and behavior. Sub-topics may include

development, sexuality, achievement, aptitudes and work.

**Credits: 4**

## **PSY 620 Learning & Memory for Instruction**

A survey of contemporary theories of learning and memory. An emphasis will be placed on research involving cognitive, social, motivational and biological aspects of learning and memory. Applications will focus on instructional settings.

**Credits: 3**

## **PSY 621 Developmental Psychology: Concepts and Applications**

An overview of developmental psychology with an emphasis on theories and classroom applications. Assumptions of major contemporary theories of development are studied, including a review of related research findings and consideration of practical applications.

**Credits: 3**

## **PSY 622 Adolescent Development for Educators**

A course focusing on transitions and issues of normative development from early to late adolescence. Includes an overview of theory and research with an emphasis on applications for middle school and high school teachers.

**Credits: 3**

## **R 201 Introduction to the World's Religions: Eastern**

An introduction to the major religions of the Far East: Confucianism, Taoism, Hinduism and the Buddhism of India, Tibet and Japan (Zen). This course is comparative and taught from a broad historical and sociological perspective and does not endorse any particular faith tradition.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** Social, Historic, and Civic Perspectives

## **R 202 Introduction to World Religions**

Introduction to major world religious traditions (Hinduism, Buddhism, Taoism, Judaism, Christianity, Islam). Examines both basic beliefs and ritual practices of each tradition. Origins and histories of these traditions are covered, as well as their continued practice in contemporary society.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** Social, Historic, and Civic Perspectives

## **R 204 Introduction to the World's Religions: Western**

An introduction to the major religions of the West: Judaism, Christianity, Islam and Zoroastrianism. This course is comparative and taught from a broad historical and sociological perspective and does not endorse any particular faith tradition.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** Social, Historic, and Civic Perspectives

## **R 315 Interpreting Religious Phenomena**

Approaches to interpretation of the meaning of diverse religious phenomena, both theoretical and practical. Of use to persons who seek to handle religion in the public classroom as well as those who wish to understand religion for its own sake.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **R 399 Special Studies**

Terms and hours to be arranged.

May be repeated for up to 15 credits, if content is different.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## R 460 Comparative Religion

A study and comparison of the great religions of the world. R 201 and R 204 or equivalent recommended as background, preferably both.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## RC 606 Special Projects

Terms and hours to be arranged.

**Credits: 1-9**

## RC 607 Seminar

Terms and hours to be arranged.

**Credits: 1-9**

## RC 609 Practicum

Provides an opportunity to apply basic counseling skills in a relatively safe environment. Will meet weekly and includes analysis and feedback regarding students' counseling skills development as well as peer review. May be repeated twice for credit.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 610 Internship

Students perform two full terms (9 credits per term) of on-site placement with a state or community rehabilitation counseling agency or social service agency charged with meeting the specific rehabilitation needs of clients. Total internship of 18 credits, which includes 600 hours of counselor-in-training experience and 240 hours of direct client contact. CRC supervision is a required portion of internship experience.

May be repeated for up to 20 credits.

**Credits: 10**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 611 Counseling And Helping Relationships

Study of problem-management counseling approach to counseling that can be applied to numerous

disciplines in rehabilitation counseling when working with clients who are deaf or who have disabilities.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 612 Theory and Techniques of Counseling

Overview of a variety of contrasting theoretical counseling models underlying both individual and group practice in counseling. Emphasis is placed on the appropriateness of selected theories when counseling persons with disabilities.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 613 Career Development Theories and Job Development and Placement Techniques

Explores the foundational issues of work, principles of human and career development and major career counseling theories as applied to different stages in life (early childhood to senior adult). Addresses the significance of lifestyle and career decision-making processes. Special attention will be given to the impact of developmental, environmental and attitudinal barriers faced by persons with disabilities in the career development process.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 623 System and Social Justice in Rehabilitation Counseling

This course is a 2-credit seminar designed to introduce graduate-level students to the human and social services system and social justice issues that Rehabilitation and Mental Health Counselors may encounter in their practice. This course will build the critical foundation needed for the next stage of acquiring skills and awareness in Social and Cultural Diversity Issues in Rehabilitation and Mental Health Counseling, focusing on race/ethnicity, culture, age,

religion/spiritual orientation, sexual orientation, disability, class status, and how each of these intersects with each other, and with gender and disability.

**Credits: 2**

**Prerequisite:** *Acceptance into RMHC program or consent of instructor*

## RC 625 Research And Program Evaluation

Develops the required skills in research that are needed for evidence-based practice. Students gain knowledge and skills in the following areas: literature review; research critique; basic statistics; research methods; and ethical, legal and cultural issues related to research and evaluation.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 626 Critique Analysis and Evidence Based Practice Research

This course is a study of theory and research as a base for counseling (Rehabilitation and Mental Health) practice. Published research studies are critically analyzed with regard to implications for clinical practice. The course is planned for collaborative peer examination of the research process through critique of counseling studies.

**Credits: 2**

**Prerequisite:** *Acceptance to Rehabilitation and Mental Health Counseling program or consent of instructor*

## RC 630 Group Counseling and Group Work

Increases student knowledge of background, theory and processes in groups. In addition, the student participates in 10 hours of group sessions to experience practical application of group theory and techniques facilitated by a counseling professional.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

# Course Descriptions

## RC 631 Human Growth And Development Theories

Provides an understanding of the nature and needs of individuals at all developmental levels, from birth to old age. Family systems will be explored. Topics include overview of the expanded family life cycle, explanation of Erikson's psychosocial developmental stages, introduction of family counseling theories and clinical application, use of genograms to track family history through the family life cycle.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 632 Medical & Psychosocial Aspects of Disabilities

Overview of medical and functional aspects of disability in rehabilitation in addition to analysis of the psychological and social impact of disability from an individual, family, community perspective. Analysis of how persons with disabilities are affected by the psychosocial influences, cultural and spiritual beliefs, attitudes, values and environmental factors. Examines the most common illnesses and disabilities encountered for case management in rehabilitation-related settings. Overview of environmental/attitudinal barriers of various disabling conditions, focusing on young adult through mature adult populations; basic medical terminology, etiology, symptoms, diagnosis and treatment of various diseases and health issues resulting in disability.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 633 Social And Cultural Foundation in Counseling

Discussion of issues and dynamics when providing rehabilitation counseling across social, cultural and community lines. Students will explore the nature of society and culture and how these impact the rehabilitation counseling process. Students will examine their own cultural identity,

attitudes and biases.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 634 Diagnosis/Treatment Planning and Psychopharmacology of Mental Disorder

Broadens students' knowledge and conceptual understanding of diagnosis and treatment of mental illness in a counseling setting. Students learn how to read a psychological evaluation and make general diagnostic decisions using the current DSM. Focuses on the diagnosis of prevalent mental illness disorders encountered by rehabilitation and mental health counselors. General psychopharmacology will be integrated in the course.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 640 Trauma and Crisis Intervention in Counseling

This class includes the basic historical and theoretical foundations of crisis intervention and treatment of the effects of trauma. The main focus of study is current theory and practice models as well as the application of skills and techniques utilized in crisis interventions. The effects of crises, disasters, and other trauma-causing events will be differentiated across the lifespan. Principles of crisis intervention for people during crises disasters and other trauma-causing events will be examined utilizing a worldview context. Counselor self-care practice will be integrated into crisis and trauma work to bring into awareness and ameliorate the effects of crisis and trauma exposure.

**Credits: 4**

**Prerequisite:** *Acceptance to Rehabilitation and Mental Health Counseling program or consent of instructor*

## RC 645 Counseling in Addictive Behaviors

This course will cover prevention and

intervention with addictions, both substances and behavioral. This course will address etiology, assessment and models of treatment, with an emphasis on Stages of Change and Motivational Interviewing. Additional emphasis will be on systemic conceptualizations, both etiology and counseling individuals, couples and families dealing with addictive behaviors.

**Credits: 4**

**Prerequisite:** *Acceptance to Rehabilitation and Mental Health Counseling program or consent of instructor*

## RC 650 Professional Counseling Orientation And Ethical Practice

Overview of the professional and ethical principles applied to rehabilitation casework, organization policy and disability law. A counselor's responsibilities and duties will be explored in the context of the CRCC and other codes of ethics specific to the rehabilitation counseling field. Ethical decision-making models will be reviewed and applied.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 651 Professional Counseling Ethical Practice II

This ethics class will incorporate a book that focuses on taboos and uncomfortable topics that therapists and therapists-in-training often avoid and the damaging myths underlying this avoidance. The class will incorporate the book's model of learning encourages a mindful awareness of how we respond to the complex, messy situations that occur in real life and emphasizes the need for openness, honesty, courage, and constant questioning, while respecting several professional code of ethics used in counseling.

**Credits: 2**

**Prerequisite:** *Acceptance to Rehabilitation and Mental Health Counseling program or consent of instructor*

# Course Descriptions

## RC 660 Case Management & Community Partnerships

Examines strategies for providing effective and efficient case management services for persons with disabilities in a rehabilitation agency. Case and caseload management principles and systems within rehabilitation services will be explored. Contemporary issues faced by the rehabilitation counselor managing a caseload of clients who are deaf and/or have disabilities will be discussed and practiced. Crisis management tools and conflict resolution strategies as well as time-management principles will be examined.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 662 Assessment And Testing

Examines the selection, administration and interpretation of various psychological, achievement and interest instruments used with persons who have disabilities or who are deaf or hard of hearing. Students will learn about various resources that are available in the rehabilitation community.

**Credits: 4**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 670 Professional Topics Seminar

Students will explore information on enhancing their professional development in preparation for employment in the rehabilitation counseling and mental health counseling field.

**Credits: 2**

**Prerequisite:** *Acceptance to RMHC program or consent of instructor*

## RC 672 Transition Services in Rehabilitation

Focuses on the transition of youth with disabilities from secondary school environments to a variety of post-school activities. Content will broadly

cover the role and impact of key transition components including secondary/post-secondary education, vocational rehabilitation and other service providers, employment, relevant legislation, psychosocial factors and family dynamics. Emphasizes effective practice with respect to developing and pursuing transition goals, promoting self-determination and collaborating with various stakeholders.

**Credits: 3**

## SOC 204 Introduction to Sociology

This course will introduce students to the processes of thinking like a sociologist, from the founders of the discipline, methods used, and the questions we can ask about the nature of our world and our relations to one another. We will then transition to consider social inequalities and social justice, especially in terms of the ways in which race, class, and gender structures life chances. Students will be encouraged to demonstrate in their work, not only what they have learned directly from the course material, but also, and more importantly, the development of their own critical perspectives.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## SOC 223 Introduction to Sociology: Theory

A broad introduction to the discipline of sociology, synthesizing the contributions of classical authors and applying their insights to core concerns of the discipline. Focus is on the theoretical and historical dimensions of sociology in a multicultural context.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## SOC 225 Social Problems

Critical analysis of contemporary U.S. society and selected social problems

such as poverty, racism, sexism, environmental degradation and globalization. Causes and consequences of problems are examined.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## SOC 226 Introduction to Latin@ Studies

Examines the social, economic, and political factors that have shaped the identity, ethnicity, social class, and political participation of people of Latin American origin in the United States, including Mexico, the Caribbean, Central and South America. Bilingual English/Spanish course.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 290 World Population and Social Structure

Introduction to the general field of population studies, provided within a sociological framework and analysis of historical, contemporary and anticipated population conditions and trends as these are related to social situations and the organization of society.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 300 Proseminar

Advanced (required for majors) introduction to sociology as an academic and professional pursuit. Includes preparation for senior thesis.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 301 Introduction to Social Work

This course presents a general foundation of knowledge and skills essential to the interpersonal practice of social work while considering community, organizational, and policy

# Course Descriptions

contexts.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## SOC 305 Social Problems, Social Justice, Social Policy

The purpose of this course is to introduce students to the sociological study of social problems for both social justice and social work concentrations. We will explore the interrelated issues of community, environment, and society, with special attention to contemporary social and ecological problems.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## SOC 309 American Society

A critical overview of the development of U.S. society. Major changes in American society and selected contemporary problems are examined in their relation to major institutions.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 310 Service-Learning and Community Praxis

Course will develop and examine the use of student volunteer projects in community service activities. Includes class discussions of various concepts of service-learning and coordination of a student volunteer project.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 312 History and Anthropology of the Little Big Horn

Course explores the causes and consequences of Battle of the Little Big Horn. Course also includes short ethnographies of the Lakota and Cheyenne as well as selected biographies of Custer, Crazy Horse

and Sitting Bull.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 315 Social Stratification and Inequality

Introduction to the social bases of stratification and inequality in capitalist societies. Focus on critical examination of the causes and consequences of poverty and the unequal distribution of resources.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 317 Social Work Practical Applications and Methodologies

This course is part of a multi-course social work sequence that provides the foundation for social work practice with individuals and families.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 320 Industrial Sociology

Introduction to the history and structure of industrial capitalist societies. Focus on: development of the labor process and industrial bureaucracy; corporate form; social and political history of labor; and relevance for contemporary economic development.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 321 Labor Studies

Introduction to selected topics in labor studies: labor history, unions, labor politics, globalization and working class cultures. Class will include the participation of union leaders from the area. Films and field trips included.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 324 Introduction to Sociology: Research

An introduction to the empirical practice of sociology, emphasizing research methods, applied perspectives and critical analysis.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## SOC 325 Participant Observation and Qualitative Research Methods

Survey of qualitative research methods with focus on participant observation. Students will be required to conduct field research as a means of developing the following research tools: surveys, interviews and observation. Skill in basic archival work will also be developed.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 327 Social Research Methods

The development of social research; the nature of scientific inquiry and basic methods and techniques; examination of representative studies from the standpoint of methodology; the utilization of basic skills.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 328 Introduction to Social Data Analysis

Introduction to quantitative statistical analysis techniques employed in the social sciences; emphasis on probability theory and the general linear model.

**Credits: 4**

**Prerequisite:** SOC 327 (or equivalent)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 330 Urban Sociology

An introduction to urban development. Includes a historical and contemporary

# Course Descriptions

analysis of the rise of towns and cities with consideration given to the role of cities in the development of capitalism. Attention given to special topics such as urban redevelopment, urban government, fiscal crisis, housing and gentrification.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 334 Self and Society

A distinctly sociological approach to the analysis of the individual in the context of larger social structures.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 338 Sociology of the Family

An analysis of family in both public and private spheres. This course will emphasize how mechanisms of gender/race/class shape the family as an institution.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 340 Community Organizing

A review and analysis of the history and practice of grass-roots community organizing, especially labor unions, tenant groups and neighborhood associations. Attention is given to community organizations working toward social change. Tactics and strategies of mobilization, confrontation and resistance are discussed.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 341 Community Action

Practical application of community organizing strategies and skills. Requires extensive time outside of classroom working on community project organized for positive social change.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 350 Food and Hunger

Analysis of the production and distribution of food on a world scale. Examination of food shortages and famines in the underdeveloped world. Political-economy of agriculture is included. Alternative production and distribution systems are examined.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 354 Sociology of Deviant Behavior

Examines the historical, cultural, political and economic forces that contribute to the social construction of deviance. Particular attention is given to strategies of social control deployed by those with power.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 360 Sociology of Gender

Explores the analytic concept of gender from a sociological perspective. Theories and empirical conditions that address gender differences and gender inequalities will be examined within the institutional structures of the economy, the state and the family. An exploration of topics concerning the formation of gender identity, the symbolic representation of gender and the relationship between gender/crime/violence is included.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 370 Sociological Theory

This course provides an overview of classical and contemporary sociological theories from the founding of the discipline to the current theoretical questions and debates within the field.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 390 Critique of Education and Critical Pedagogy

Sociological analysis and critique of education in the United States. Special attention given to consideration of education as part of a larger, capitalist society. Critical pedagogy and counter hegemony are key concepts developed as a means of restructuring education and society.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 399 Sociology Internship

Supervised internship with a professional organization that employs sociological knowledge and skills. Placement is determined in consultation with instructor. Possible sites include governmental agencies, labor unions, social service organizations, advocacy groups, educational institutions and private companies.

May be repeated for up to 16 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 400 Globalization and Development

Introduction to the problematics of development and underdevelopment in the global political-economy. Social, economic and political dimensions of the core and periphery are examined.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 406 Special Individual Studies

Terms and hours to be arranged. May be repeated for up to 12 credits.

**Credits: 1-12**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 407 Seminar: Special Topics in Sociology

Terms and hours to be arranged.



# Course Descriptions

May be repeated for up to 12 credits.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 409 Practicum: Latino/a Ed Mentor**

This class has two goals: 1. Reduce the high school dropout rate for Latino/a students at McKay High School; 2. Increase the college participation rate for Latino/a graduates from McKay High School. This class will implement these goals by providing personal resources and communication to the Latino/a student, the mentee. The WOU student will act as mentor in providing these goals. May be repeated for up to 15 credits.  
**Credits: 1-16**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 410 Historical Sociology: Origins of Capitalism**

Historical and theoretical analysis of the emergence of capitalism in the West. Consideration of the transition from feudalism to capitalism is included. Historical analysis of the Industrial Revolution is also included.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 420 Political Sociology: Theories of the State**

Critical introduction to theories of power and the state. Versions of elitism, pluralism, Weberianism, Marxism and Neo-Marxism are presented. Attention is also given to the development of the modern welfare state.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 427 Revolutionary Social Movements**

Description and analysis of revolutionary movements around the world. Special attention given to the French, Russian and Chinese Revolutions. Forms, causes and

consequences of revolutions are considered as part of an effort to develop a theory of revolution. Course includes the development and critical examination of the concepts of class and class struggle.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 430 Political-Economy as Social Theory**

Survey of classical political-economy as a form of social (sociological) theory. Writings of Marx, Adam Smith, Ricardo, Weber, Keynes and others are introduced and critically evaluated.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 434 African American Studies: Social Issues, Social Movements**

Introduction to the theoretical perspectives and social science research used to analyze the experience of African Americans in the U.S. Special emphasis will be placed on the emergence and consolidation of the Civil Rights Movement. Also examines the specific organizations that provided leadership during this period.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 435 Chicano/a/Latino/a Studies: Social Issues, Social Movements**

Examines the structural factors that shape socioeconomic conditions for people of Mexican descent living in the U.S. Addresses the grass-roots perspectives in which social movements were constructed.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 436 Native American/Asian American Studies: Social Issues, Social Movements**

Overview of structural conditions that define social reality of Native American and Asian American populations in current U.S. society; confrontations at Wounded Knee; and the formation of the American Indian Movement (AIM).  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 437 Sociology of Race/Ethnic Relations**

Introduction to the history of problems that racial and ethnic groups have confronted in the U.S., including immigration. Analysis will include an overview of the social movements that have emerged to confront forms of oppression and discrimination.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 440 Women and Development**

Historical and contemporary analysis of women in the development and underdevelopment of the world political economy.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 450 Latin American Society**

Analysis of current social issues in Latin America. Topics include economic restructuring, state transformation, gender and family relations.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SOC 460 Feminist Theory**

Provides an introduction to major themes of feminist thought. A wide range of representative works of theorists from the first- and second-wave feminist movements will be

# Course Descriptions

included.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 465 Introduction to LGBTQ Studies

Introduction to contemporary lesbian, gay, bisexual and transgender issues. Examines the history, culture, social mobility, as well as institutionalized discrimination and eventual acceptance of civil equality. Readings, media and guest presenters from the national and regional LGBTQ movement will highlight diverse perspectives on liberty, visibility and acceptance. Covers issues of gender, sexuality, coming out, history religion/faith, queer/transgender diversity, intersectionality of identity, media, legal cases and rights.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 471 Classical Sociological Theory

An examination of the concepts and theories of some of the most renowned social thinkers of the 19th and early 20th centuries.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 472 Contemporary Sociological Theory

Study of significant sociological theories and concepts from the early 20th century to the present.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 492 Senior Seminar I

A research-oriented seminar.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 493 Senior Seminar II

A research-oriented seminar.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 494 Senior Seminar III

A research-oriented seminar.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 495 Senior Capstone

This course is designed to provide students with the resources and assistance to complete their reflection or research projects based upon the ongoing research on a subject of their choosing.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SOC 507 Seminar in Social Policy

A topical seminar on current issues in social policy. Special attention will be given to readings and discussion that focuses on social problems and policy evaluation.

**Credits: 3-4**

## SOC 537 Sociology of Race/Ethnic Relations

Introduction to the history of problems that racial and ethnic groups have confronted in the U.S., including immigration. Analysis will include an overview of the social movements that have emerged to confront forms of oppression and discrimination.

**Credits: 3**

## SOC 554 Sociology of Deviant Behavior

Review of major sociological theories of deviance. Focus on historical patterns of deviance and the relationship between deviance and systems of power and social control.

**Credits: 3**

## SPAN 101 First Year Spanish I

Fast-paced introduction to the four communication skills: listening, speaking, reading and writing. Basic Spanish grammar, simple tense conjugations and vocabulary. Proficiency developed through activities within the contexts of the Hispanic cultures of Latin America and Spain. Conducted in Spanish.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 102 First Year Spanish II

Accelerated development of the four skills with essential Spanish grammar, simple conjugations and further vocabulary. Develop writing skills through compositions and learn to apply concepts within a variety of social and cultural contexts.

**Credits: 4**

**Prerequisite:** *SPAN 101 (or equivalent) or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 103 First Year Spanish III

Builds on Spanish 101/102 skills, with further instruction in grammar, vocabulary, pronunciation and conversation and deeper study of Hispanic culture. Emphasis on contrast of preterite/imperfect tenses, commands and overview of the subjunctive mood.

**Credits: 4**

**Prerequisite:** *SPAN 102 (or equivalent) or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 110 Introduction to Hispanic Literature in Translation

A survey of Hispanic literary genres involving works in English translation from a variety of periods.

# Course Descriptions

## **Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## **SPAN 115 Beginning Spanish Conversation**

Weekly one-hour conversation section offers students intensive practice in speaking and listening and aligns with the development of vocabulary and skills in the First-Year Spanish sequence.

## **Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 199 Special Studies**

Terms and hours to be arranged. May be repeated for up to 15 credits, if content is different.

## **Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 201 Second Year Spanish I**

Improve ability to speak, listen to, read and write Spanish, with new material and review of first year. Special attention placed on mastery of Spanish verbal system and increased vocabulary and fluency through practice.

## **Credits: 4**

**Prerequisite:** *SPAN 103 or consent of instructor; recommended SPAN 115*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## **SPAN 202 Second Year Spanish II**

Reinforce prior material, including vocabulary, verb conjugation and question formation and new material, allowing students to increase their knowledge and fluency through opportunities to speak, listen to and understand, read and write Spanish.

## **Credits: 4**

**Prerequisite:** *SPAN 201 or consent of*

*instructor; recommended SPAN 215*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## **SPAN 203 Second Year Spanish III**

Consolidate and improve abilities to communicate orally and using the written word, continuing study of the language, cultures and literatures of the Spanish-speaking world.

## **Credits: 4**

**Prerequisite:** *SPAN 202 or consent of instructor; recommended SPAN 215*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## **SPAN 210 Topics in Hispanic Film**

Analyze Hispanic societies through the language of film and compare experiences of individuals across different cultural contexts. Taught in English.

## **Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## **SPAN 215 Intermediate Spanish Conversation**

Emphasizes oral proficiency through guided conversation, realistic scenarios, vocabulary building and free discussion. Content aligns with the Second-Year Spanish sequence.

## **Credits: 1**

**Prerequisite:** *SPAN 103 or higher*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 240 Greater Mexico: Culture and Arts**

Course surveying the indigenous, colonial and contemporary cultural history of 'Greater Mexico', a concept that integrates the study of Mexican culture in a global and transnational dimension.

## **Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## **SPAN 245 Translanguaging: Spanglish as a Speech Community in US**

This course presents a socio-historical analysis of the contact between English and Spanish in the U.S, and the linguistic practices of bilingual speakers. Student will explore language issues that are specific to Spanish in the U.S., including language contact, identity, borders and borderlands, Spanish varieties, language politics, and language attitudes.

## **Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## **SPAN 299 Special Studies in Language**

Terms and hours to be arranged. May be repeated for up to 15 credits, if content is different.

## **Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 301 Third Year Spanish I**

Emphasis on in-depth review of Spanish skills acquired in the first two years of study, making sure the students master these skills through reading of original texts, oral practice, listening exercises and composition writing. Conducted in Spanish.

## **Credits: 4**

**Prerequisite:** *SPAN 203 (or equivalent) or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## **SPAN 302 Third Year Spanish II**

Continues the in-depth review, focusing further on intensive practice of the four skills: reading of original

# Course Descriptions

texts, oral practice, listening experiences and original writing.

**Credits: 4**

**Prerequisite:** SPAN 203 (or equivalent) or SPAN 301 or SPAN 311 or SPAN 317 or consent of the instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 303 Third Year Spanish III

Finishes preparing students so that they master Spanish and its nuances, to succeed in higher-level academic study and professional communication. Intensive practice of the four skills: reading of original texts, oral/aural exercises and writing.

**Credits: 4**

**Prerequisite:** SPAN 301 or SPAN 302 or SPAN 311 or SPAN 312 or SPAN 317 or SPAN 318 or consent of the instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 309 Service-Learning in Spanish

Students learn about Hispanic cultures and improve Spanish-speaking skills they have acquired in a classroom setting while volunteering in community partner schools and agencies, helping with school activities and academic tutoring.

**Credits: 1-4**

**Prerequisite:** SPAN 301 or SPAN 311 or SPAN 317

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 311 Spanish for Bilingual Teachers I

Intensive review of academic Spanish grammar and syntax through pedagogical practices useful for prospective teachers. Provides practical knowledge of the different strengths and challenges, both linguistic and cultural, of heritage and non-heritage Spanish speakers.

**Credits: 4**

**Prerequisite:** SPAN 203 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 312 Spanish for Bilingual Teachers II

Intensive practice of academic Spanish grammar and syntax through pedagogical practices useful for prospective dual-language teachers. Provides in-class opportunities to teach all content areas in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 203 (or equivalent) or SPAN 301 or SPAN 311 or SPAN 317 or consent of the instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 315 Advanced Spanish Conversation

Primarily for non-native speakers who wish to improve Spanish comprehension and speaking abilities. Focuses on speaking and listening activities to develop competence needed for effective communication in academic and professional settings. May be repeated for up to 6 credits.

**Credits: 2**

**Prerequisite:** SPAN 203 or higher

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 317 Intermediate Spanish for Bilingual/Heritage Speakers I

Intensive review of grammar and composition for bilingual/heritage Spanish speakers to enable them to engage in communication in an accurate, effective and informed manner within a variety of sociocultural situations.

**Credits: 4**

**Prerequisite:** SPAN 203 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 318 Intermediate Spanish for Bilingual/Heritage Speakers II

Focus on improving speaking, listening, reading and writing skills in Spanish; build vocabulary, learn advanced grammatical rules and terminology of Spanish grammar and gain a deeper understanding of Hispanic cultures.

**Credits: 4**

**Prerequisite:** SPAN 203 (or equivalent) or SPAN 301 or SPAN 311 or SPAN 317 or consent of the instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Communication and Language*

## SPAN 319 Intermediate Spanish for Bilingual/Heritage Speakers III

Hone language skills through reading modern texts, discussion of major ideas, vocabulary expansion and writing essays. Analytical review of literary genres. Prepares students to communicate within a variety of situations.

**Credits: 4**

**Prerequisite:** SPAN 301 or SPAN 302 or SPAN 311 or SPAN 312 or SPAN 317 or SPAN 318 or consent of the instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 320 Business Spanish

Introduction to the Spanish business world, with focus on relevant communication and language skills for the global marketplace using essential business etiquette, vocabulary and communication models. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 301 or SPAN 311 or SPAN 317

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## **SPAN 321 Spanish for Health Care Professionals**

Develop skills in correct medical terminology and explaining tests, procedures, diagnosis and prognosis in a culturally appropriate way.

**Credits: 4**

**Prerequisite:** *SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 328 Introduction to Chicano Literature and Culture**

Survey of Latino literature from the 16th century to the present. Students will read and analyze texts in Spanish and English.

**Credits: 4**

**Prerequisite:** *SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 338 Multicultural Spain: History, Film and Politics**

A cultural survey of Spain, including geography, history, politics, economics, religion and contemporary society. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** *SPAN 203 or SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 339 Colonial Latino Literature and Culture**

A survey of Colonial Latino literature and culture, exploring the common roots of Latin America and the territories of the US with centuries-long Hispanic influence, including Oregon and the Pacific Northwest.

**Credits: 4**

**Prerequisite:** *SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 340 Mexican Literature and Culture**

A representative survey of Mexican

literature and culture from pre-Hispanic times to the present.

**Credits: 4**

**Prerequisite:** *SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 342 The Politics of Latino Film and Art**

This course analyzes innovative and committed political film and art coming from US Latino communities. Students will watch, read and analyze texts in both Spanish and English.

**Credits: 4**

**Prerequisite:** *SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 350 Spanish Pronunciation and Phonetics**

Study of the sound system of Spanish, with individual attention to each student's difficulties.

**Credits: 4**

**Prerequisite:** *SPAN 302*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 360 Introduction to Hispanic Literatures**

Foundation for future literary study. Students will read and analyze short fiction, poetry, essay and drama, written by authors from diverse regions of the Spanish-speaking world, including Latin America, Spain and the United States. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** *SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 370 Don Juan, Witches and Bold Nuns: Gender in Spanish Literature and Film**

Survey of the literature and film of Spain. Students will examine the ways in which various literary genres and film depict gender and codes of masculinity and femininity in Spanish

culture, from the Middle Ages to the present day. Topics include: the figure of don Juan, notions of family honor and female chastity, domestic violence, and gender performance. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** *SPAN 203 or SPAN 301 or SPAN 311 or SPAN 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 371 Contemporary Latino Literature and Culture**

The course studies some of the most salient aspects of Latino/Latin American contemporary literature and culture, particularly in relation to history, migration issues and US government influence in the Americas.

**Credits: 4**

**Prerequisite:** *SPAN 203 or consent of instructor; highly recommended SPAN 303 or SPAN 319 and LIT 317*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 379 Introduction to Spanish Linguistics**

Introduction to basic concepts and analytical techniques of linguistics, applied specifically to the Spanish language. Will cover phonology, morphology, syntax and semantics; also issues in applied linguistics, language acquisition, literacy and dialect diversity within the Spanish-speaking world.

**Credits: 4**

**Prerequisite:** *SPAN 303 or SPAN 319 or consent of instructor; highly recommended LING 310*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPAN 380 Teaching World Languages: Spanish**

Application of linguistic science in the foreign language classroom. Emphasis on comparing and contrasting sound systems and the grammars of English and Spanish.

**Credits: 4**

**Prerequisite:** *SPAN 303 or SPAN 319; recommended SPAN 350*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## SPAN 385 Introduction to Translation and Interpreting

Course combines an introduction to theories in translation and interpreting with exercises and hands-on activities that will teach the student the basic skills necessary to effectively translate and interpret. Students taking the course must be proficient in both English and Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 399 Special Studies

May be repeated for up to 12 credits, if content is different.

**Credits: 1-4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 401 Advanced Spanish Proficiency

This course provides students with advanced written and oral Spanish skills, suitable for professional use of the language.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 404 Creative Writing in Spanish

Advanced work in creative writing in Spanish with emphasis on revision and completion of extended pieces.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 405 Reading and Conference

Topics and hours to be arranged.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 407 Seminar

Topics and hours to be arranged.

May be repeated for up to 12 credits, if content is different.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 409 Spanish Practicum

Off-campus writing experience for Spanish majors. Provides students with the opportunity of applying their writing skills in actual business, technical or professional situations. May be repeated for up to 16 credits.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 312 or SPAN 319

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 412 Classical Spanish Literature

A survey course of medieval and Golden Age Spanish literature, focusing on the richness of the Hispanic literature and culture belonging to Europe's classical tradition, including its development in the Americas. May be repeated twice for credit, if content is different. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and SPAN 370 or SPAN 371

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 413 Don Quijote

Close reading of Miguel de Cervantes' undisputed literary masterpiece of Hispanic literature: Don Quixote. Emphasis on the novel's historical and literary contexts and major readings and interpretations it has elicited.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 414 Mestizaje and Cultural Contact in Hispanic Societies

This is a pan-Hispanic survey in which we will study societal and artistic responses to cultural contact and separation via migration, war, travel, and slavery. We will examine how writers and artists have imagined mixed couples and families, *mestizaje*, or cross-cultural love as either a threat to familial and national identity, or a possible solution to racial and cultural tensions. Conducted in Spanish. May be repeated twice for credit, if content is different.

**Credits: 4**

**Prerequisite:** SPAN 301 or SPAN 311 or SPAN 317 or instructor approval.

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 415 Love, War, Social Change: Contemporary Spanish Literature and Film

An in-depth study of the narrative, poetry, drama and visual culture of 20th and 21st-century Spain. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and one 300-level Spanish literature course (SPAN 370 or SPAN 371)

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 416 Language Teaching Practicum

Provides students with a supervised classroom experience, either as assistants in a language classroom on campus or in an educational setting in the community. Students will read journal articles and discuss pedagogy regularly with the instructor and other practicum students.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 (or equivalent) or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## SPAN 417 Hispanic Poetry

Introduction to poetry written in Spanish. Will study some of the most representative poetic works written in the Spanish language from the Middle Ages to the beginning of the 21st century. Text analysis is based on close reading of the texts, a short biographical study of their authors as well as a careful contextualization of the time and space where they were produced.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 435 Contemporary Hispanic Societies Through Film

Students will watch and analyze recent Hispanic films and engage with critical readings in order to understand the cultural and political forces that shaped such powerful cinematic representations. Emphasis is placed on learning the language of film as part of the analysis and appreciation of the works.

**Credits: 4**

**Prerequisite:** SPAN 301 or SPAN 311 or SPAN 317 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 443 Topics in Latin American Literature

In-depth analysis of literary texts from Latin America, focusing on their significance for contemporary Hispanic culture, including the US.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 (or equivalent) or consent of instructor; highly recommended SPAN 360 and SPAN 370 or SPAN 371

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 445 Hispanic Women Writers

An in-depth study of literary works of various genres written by Spanish and Latin American women. Specific focus

on the artistic response of each writer toward cultural and social challenges facing Hispanic women.

May be repeated twice for credit, if content is different. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and SPAN 370 or SPAN 371

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 446 Migration and Borders in the Hispanic World

Engages students with the experiences of migrants in the Hispanic world. Compares migration and borders in Spain as well as the United States. Topics will include experiences of migrant children, racism, the international drug trade, assimilation (or rejection) of Muslims in Spain, challenges facing women who migrate.

**Credits: 4**

**Prerequisite:** SPAN 301 or SPAN 311 or SPAN 317

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 480 History of the Spanish Language

A survey of the linguistic development of the Spanish language from Latin to Old Spanish to Modern Spanish. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 and SPAN 350

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 481 Spanish Sociolinguistics

Explores the interrelationship of language and society, with reference to the Spanish-speaking world. Studies how socio-economic, political and anthropological factors such as race, social class, gender, age and identity influence linguistic forms.

**Credits: 4**

**Prerequisite:** SPAN 350 or consent of instructor

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## SPAN 482 Spanish as a World Language

Alternates different topics in Spanish linguistics, such as modern peninsular Spanish dialectology, modern Spanish-American dialectology, bilingualism, applied linguistics or sociolinguistics.

May be repeated for credit, if content is different.

**Credits: 4**

**Prerequisite:** SPAN 350 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 483 Spanish in the United States

Develops critical and linguistic awareness about the relationship between language, individual and society, in the context of the use of Spanish in the United States, emphasis on historical migration patterns and settlements, characteristics of Spanish in contact with English.

**Credits: 4**

**Prerequisite:** SPAN 350 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 486 Spanish Translation Practicum

Applying language translation techniques. Development of the basic techniques needed for translation and interpretation. Practice given to both translating into and from the native language (English/Spanish). Emphasis will be placed on command of appropriate professional lexicon and awareness of the relationship between language and culture.

**Credits: 4**

**Prerequisite:** SPAN 385 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## SPAN 490 Studies in Spanish Literature

An in-depth study of a significant Spanish literary figure or topic, as identified in each year's online course schedule.

May be repeated twice for credit, if content is different. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and SPAN 370 or SPAN 371

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 491 Studies in Latino Literature

This class studies specific works, writers or movements from Latino/Latin American literature, providing an advanced bicultural and bilingual understanding of Latino literature.

May be repeated twice for credit, if content is different. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and SPAN 370 or SPAN 371

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 492 Senior Capstone Project

Culminating experience in which students reflect upon and integrate aspects of their entire undergraduate study. Through a writing project, an oral presentation and an exit interview, students demonstrate their achievement of the program's learning outcomes.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## SPAN 499 Special Studies in Language, Culture and Literature

Terms and hours to be arranged.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## SPAN 511 Topics in Medieval Spanish Literature

Study of special issues and topics in Medieval Spanish literature and culture. Specific focus will be identified in online course listing.

May be repeated twice for credit, if content is different. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and SPAN 370 or SPAN 371

## SPAN 515 Topics in Contemporary Spanish Literature

Features a selection of texts from contemporary Spain (20th and 21st Century) taught in a cultural and historical context. Conducted in Spanish.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 360 and one 300-level Spanish literature course (SPAN 370 or SPAN 371)

## SPAN 516 Language Teaching Practicum

Provides students with a supervised classroom experience, either as assistants in a language classroom on campus or in an educational setting in the community. Students will read journal articles and discuss pedagogy regularly with the instructor and other practicum students.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 (or equivalent) or consent of instructor

## SPAN 541 Topics in Latin American Colonial Literature

In-depth study of selected texts, writings and themes written in or about colonial Latin America starting from Columbus' arrival to the Antilles in 1492 to the beginnings of Spanish

American independence movements at the dawn of the 19th century.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor

## SPAN 542 Topics in 19th Century Latin American Literature

In-depth study of literary works written in Latin America during the 19th Century. Special attention will be given to texts written during the wars of independence and during the formation of the new republics, as well as to literary movements including Romanticism, Realism and Naturalism.

**Credits: 4**

**Prerequisite:** SPAN 303 or SPAN 319 or consent of instructor; highly recommended SPAN 371

## SPAN 581 Spanish Sociolinguistics

Explores the interrelationship of language and society, with reference to the Spanish-speaking world. Studies how socio-economic, political and anthropological factors such as race, social class, gender, age and identity influence linguistic forms.

**Credits: 4**

**Prerequisite:** SPAN 350 or consent of instructor

## SPAN 582 Spanish as a World Language

Alternates different topics in Spanish linguistics, such as modern peninsular Spanish dialectology, modern Spanish-American dialectology, bilingualism, applied linguistics or sociolinguistics.

May be repeated for credit, if content is different.

**Credits: 4**

## SPAN 583 Spanish in the United States

Develops critical and linguistic awareness about the relationship between language, individual and society, in the context of the use of Spanish in the United States,



# Course Descriptions

emphasis on historical migration patterns and settlements, characteristics of Spanish in contact with English.

**Credits: 4**

## **SPAN 585 Introduction to Translation and Interpreting**

Course combines an introduction to theories in translation and interpreting with exercises and hands-on activities that will teach the student the basic skills necessary to effectively translate and interpret. Students taking the course must be proficient in both English and Spanish.

**Credits: 4**

## **SPAN 590 Studies in Spanish Literature**

An in-depth study of a significant Spanish literary figure or topic, as identified in each year's online course schedule.

May be repeated twice for credit, if content is different. Conducted in Spanish.

**Credits: 4**

## **SPAN 606 Special Individual Studies**

Terms and hours to be arranged. Provides graduate students with the opportunity to study a special or individual area of interest under the guidance of a designated faculty member.

**Credits: 1-9**

**Prerequisite:** *Consent of instructor*

## **SPED 104 ASL Enhancement for Experienced Signers**

Intensive ASL course for working interpreters focusing on receptive and expressive development in the use of ASL, including sentence types, advanced vocabulary, grammatical structures, non-manual grammatical markers, conversational behaviors and cultural appropriateness.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 105 ASL Enhancement for Fluent Signers**

Intensive ASL course for working interpreters focusing on development of advanced ASL communication skills, including complex sentence types, inflection and registers.

Emphasis on grammatical sophistication and production fluency. Includes cultural values and beliefs that impact communication and appropriate bilingual/bicultural interaction.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 200 Careers in Human Services**

Survey of career opportunities in special education and rehabilitation. Content will include examination of educational programs and rehabilitation services that support individuals having disabilities. A special focus will be the various roles of persons employed in special education and rehabilitation.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 206 Introduction to the Process of Interpreting**

Introduces students to the profession and process of interpreting. Includes historical and contemporary perspectives of interpreting and bilingual/ bicultural interpreting and strategies to accurately receive, analyze, understand, compose and produce interpreted messages.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 207 Introduction to the Professional Aspects of Interpreting**

Introduces ethics and professional practices of interpreting, group theory, legal aspects, problem solving, conflict resolution and educational theory,

child placement procedure and a collaborative approach to service delivery in educational settings.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 221 Interpreting Practice I**

Introduction to production aspects of interpretation. Introduces pre-interpreting exercises, group translations of ASL and English texts and consecutively interpreted dialogues and monologues. Students are introduced to team interpreting.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 222 Interpreting Practice II**

Production aspects of spontaneous interpreting/transliterating. Students incorporate linguistic and functional analyses into consecutive and simultaneous interpretations/transliterations. Students are introduced to relay and oral interpreting.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 250 Introduction to Comparative Linguistics**

Comparative/contrastive approach to the study of English and ASL. Focus on grammatically-acceptable ASL productions. Students will be introduced to the linguistic and culturally-based communication issues that influence the interpreting process.

**Credits: 3**

**Prerequisite:** *By application only*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 257 Introduction to Discourse Analysis**

Specialized discourse and vocabulary of specific content areas appearing in educational settings, including

# Course Descriptions

mathematics, science and computers.

**Credits: 3**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 261 Preparation for Mentorship**

Provides skills and knowledge and resources for less experienced or entry-level interpreters to become mentors. Focuses on theoretical models of mentorship and interpretation.

**Credits: 2**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 262 Preparation for Mentorship II**

Second course of three, prepares experienced interpreters with skills and knowledge to become mentors and resources for less experienced or entry level interpreters.

**Credits: 2**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 263 Preparation for Mentorship III**

Prepares experienced interpreters with skills and knowledge to become mentors and resources for less experienced or entry-level interpreters. Third course in a series of three, traces history of ASL and English use in educational settings.

**Credits: 2**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 270 Educational Interpreting: Classroom Theory and Techniques I**

Prepares instructional aides to serve hearing impaired students in both mainstreamed and residential settings. First of a two-term sequence covering adaptation of environmental conditions and classroom activities for students

experiencing communication and language related challenges due to a hearing loss.

**Credits: 3**

**Prerequisite:** *Acceptance to Educational Interpreting program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 271 Educational Interpreting Skills I**

Introduces specialized techniques of application to interpreting within the educational setting.

**Credits: 3**

**Prerequisite:** *Acceptance to Educational Interpreting program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 275 Educational Interpreting: Classroom Theory and Techniques II**

Prepares instructional aides to serve hearing impaired students in both mainstreamed and residential settings. Second of a two-term sequence covering adaptation of content-related classroom activities and materials and basic tutoring and classroom management techniques.

**Credits: 3**

**Prerequisite:** *SPED 270*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 281 Teaching American Sign Language**

Introduction to linguistic features of ASL as a base for second language instruction. Students study ASL on the levels of phonology, morphology, syntax, semantics and discourse. Includes a comparison of visual-gestural and vocal-auditory languages and the implications for teaching ASL to hearing students.

**Credits: 1-3**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 282 Teaching American Sign Language II**

Second in a series of three, focuses on theories of second language acquisition, the relationship of language to culture, strategies for second language instruction and current approaches to ASL teaching.

**Credits: 2**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 283 Teaching American Sign Language III**

Third in a series of three, focuses on the functions of assessment and evaluation principles in language learning. Students will investigate use and factors involved in designing assessment instruments, current approaches to language assessment, available instruments for the assessment of ASL skills and diagnostic strategies to guide students toward more effective language learning.

**Credits: 2**

**Prerequisite:** *By application only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 401 ASD Practicum: Evidence-Based Teaching Methods and Strategies**

Field experience designed to follow completion of SPED 487/SPED 587 . Students will demonstrate ability to apply teaching strategies. Students receive training in the prescribed teaching methods and demonstrate basic competency in the application of methods.

Eligible for the RP grade option.

**Credits: 1**

**Prerequisite:** *SPED 487/SPED 587 and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## **SPED 402 ASD Practicum: Supporting Students with High Functioning Autism and Asperger Disorder**

Implementation of strategies learned in SPED 488/SPED 588. Strategies will be implemented with a student or with a small group of students with high functioning autism and/or Asperger Disorder. Students will complete a minimum of 30 total hours in an educational setting with students. Eligible for the RP grade option.

**Credits: 1**

**Prerequisite:** *SPED 488/SPED 588 and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 403 ASD Practicum: Middle School/High School/Transition and Community-Based Instruction**

Students will demonstrate a) the ability to apply visual behavior support strategies and approaches, b) to assess and support secondary and transition age students in vocational settings, c) to use the FACTER Secondary Level curriculum with secondary and transition age students. Students will complete a minimum of 30 hours in an educational setting for students with Autism Spectrum Disorders (ASD).

May be repeated for up to 16 credits. Eligible for the RP grade option.

**Credits: 1**

**Prerequisite:** *SPED 489/SPED 589 and consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 406 Special Individual Studies**

Terms and hours to be arranged. Designed for individual or special studies in a limited area of interest under the guidance of a designated faculty member.

May be repeated for up to 15 credits, if content is different.

Eligible for the RP grade option.

**Credits: 1-15**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## **SPED 407 Seminar: Special Education**

Terms and hours to be arranged.

May be repeated for up to 3 credits, if content is different.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 408 Workshop**

Terms and hours to be arranged.

May be repeated for up to 15 credits, if content is different.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 409 Practicum**

Training.

May be repeated for up to 3 credits, if content is different.

Eligible for the RP grade option.

**Credits: 1-12**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 412 Laboratory Experience**

Practicum to acquaint pre-service and practicing teachers with programs for children and youth in various societal and educational agencies; summer practicums in preschool and elementary education; practicums in addition to student teaching in subject matter areas to meet certification requirements. Limited to six hours.

**Credits: 1-6**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 417 Inclusive Practices in Education**

For students who are completing a minor in special education and/or those who may plan to enter a special education program at the graduate level. Includes the history of general and special education in North

America.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 418 Survey of Special Education**

Survey of models, theories and philosophies that form the basis for special education practice. An overview of the aspects of disabilities including legal, social and educational issues in the provision of education and related services from early intervention through transition to adulthood.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 421 Assessment and Evaluation of Exceptional Learners**

Basic assessment theory, assessment planning, and evaluation procedures are emphasized. The focus will be placed on formative and summative evaluation strategies, progress monitoring, and using data to make educational and placement decisions.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 423 Behavior Supports**

Approaches to behavioral management of exceptional learners across educational settings. Implementation of individualized techniques including positive behavioral interventions to foster social and emotional growth. Emphasis is on creating positive learning environments, functional behavioral assessment, and development of behavioral supports and intervention plans for students with challenging behaviors.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## **SPED 424 Inclusive Practices: Methods for Supporting Exceptional Learners**

The purpose of this course is to expand upon general education pedagogy by building knowledge related to the use of evidence-based practices to support exceptional learners in inclusive settings. The course will emphasize the use of effective strategies which enable students to access and make progress in general education content aligned with Common Core State Standards. Particular emphasis will be placed on accommodations and modifications in the area of literacy and math methods.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 430 Instructional Methods for Learners with Extensive Support Needs**

This course will develop skills for planning and organizing instruction and supports for students with extensive support needs. Focus on methodologies to accommodate individualized learning needs of students with extensive support needs in inclusive environments, including adaptations and use of assistive technology. The basic principles of assessment, instruction, curriculum development, and augmentative and alternative communication for students with extensive support needs will also be addressed.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 446 Law and Special Education**

Students will gain a greater understanding of both federal and state special education laws including Section 504 of the Rehabilitation Act of 1973, No Child Left Behind Act (NCLB), Individuals with Disabilities Education Improvement Act (IDEIA 2004), and the Family Educational Rights and Privacy Act (FERPA). Emphasis will be placed on turning educational and legal theory into practice through the use of educator

workshops. Students will review the most current cases and trends in special education law, analyze cases, and learn how to research both statutory and case.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 447 Partnerships in Special Education**

Examines family systems and the unique challenges and concerns faced by parents of children having disabilities. Family rights and effective advocacy are presented. Strategies for communicating and collaborating with parents, family members and other professionals are presented.

**Credits: 3**

**Prerequisite:** *SPED 418/SPED 518 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 448 Special Education Practicum**

This field experience is designed to apply methods learned across the licensure program to an in-depth summer school practicum. The student works in an educational setting (extended school year) for children/youth with disabilities requiring academic and functional content instruction. The student demonstrates the principles of educational assessment, individual and group instructional design and implementation, data analysis, and instructional modifications.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 486 ASD: Foundations and Strategies**

Current knowledge and practices in the education of children and youth with Autism Spectrum Disorders (ASD) will be presented. Systems of identifying and prioritizing educational goals, curriculum design, instructional strategies and communication techniques will be reviewed. Social integration and family involvement will

also be addressed.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 487 ASD: Evidence-Based Teaching Methods and Strategies**

Research-based teaching methods for students with Autism Spectrum Disorders (ASD) will be presented, including Discrete Trial, Pivotal Response Training, Structured Teaching and Picture Exchange Communication System (PECS). Practical application of these methods in the context of behavior management, cognitive development and daily living skills will also be discussed.

**Credits: 3**

**Prerequisite:** *Concurrent enrollment in or completion of SPED 486, SPED 586 or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 488 ASD: Supporting Students with High Functioning Autism and Asperger Disorder**

Identifying and supporting the needs of students with High Functioning Autism/Asperger Disorder in young children through high school. Students will use functional behavioral assessments and develop positive behavioral approaches; will learn about the social impact, review curriculum and research regarding evidence based practices for teaching social cognition and strategies for teaching social skills.

**Credits: 3**

**Prerequisite:** *SPED 487/SPED 587*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 489 ASD: MS/HS/Transition and Community-Based Instruction**

Provides students with information transition-related activities, curriculum and teaching strategies for students who experience Autism Spectrum Disorder in middle/high/post-high programs. Participants will be able to

# Course Descriptions

identify, describe and implement educational strategies aimed at helping students to achieve success in community-based settings and a variety of daily routines.

**Credits: 3**

**Prerequisite:** SPED 488/SPED 588

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 490 ASD: Eligibility, Assessment and Effective Consultation**

Prepares the participant to better understand the educational evaluation and eligibility process for identifying children and students with Autism Spectrum Disorders (ASD). Review of a variety of assessments and evaluation tools used for identification of Autism Spectrum Disorders.

**Credits: 3**

**Prerequisite:** SPED 489/SPED 589

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## **SPED 507 Seminar: Special Education**

Terms and hours to be arranged. May be repeated for up to 3 credits, if content is different.

**Credits: 1-3**

## **SPED 603 Thesis or Field Study**

Eligible for the RP grade option.

**Credits: 3-9**

**Prerequisite:** *Consent of instructor*

## **SPED 607 Seminar**

**Credits: 1-6**

## **SPED 616 Evaluating Special Education Research**

Prepare special educators for graduate coursework, portfolio, thesis/project, comprehensive exams, Praxis exams and for practicing evidence-based practice as a teacher. Prepares students to be informed consumers of research rather than conducting research themselves and prepares teachers to apply research principles

to their practice as teachers.

**Credits: 3**

## **SPED 617 Theory and Philosophy of Teaching Exceptional Learners**

Examines key theoretical and philosophical perspectives including: cognitive, behavioral, and socio-cultural theories related to the education of exceptional and/or diverse learners. Connecting educational philosophy and specific theories of learning to instructional decisions is emphasized.

**Credits: 3**

## **SPED 618 Introduction to Special Education**

An overview of the history of special education that includes a survey of disabilities focused on legal, educational, and social issues. In-depth study of the diverse students in today's K-12 classrooms with an emphasis on preparing teacher candidates to become reflective practitioners serving diverse communities of learners from early intervention through post-secondary transition.

**Credits: 3**

## **SPED 622 Literacy Methods for the Diverse Learner**

Evidence-based instructional strategies in reading and written expression, monitoring student progress, and making data-driven instructional decisions for students with disabilities.

**Credits: 3**

## **SPED 623 Behavior Support**

Examines literature and practice in planning and implementing school-wide systems of positive support for K-12 students. Emphasis on effective behavior management strategies for assisting students with special educational needs.

**Credits: 3**

## **SPED 625 Assessment for Instruction**

Basic assessment theory, assessment planning, criterion-referenced testing, curriculum-based assessment, formative and summative assessment, data collection and display and use of assessment data for instructional decision-making.

**Credits: 3**

## **SPED 628 Math Methods for the Diverse Learner**

Evidence-based instructional strategies in mathematics, monitoring student progress, and making data-driven instructional decisions for students with disabilities.

**Credits: 3**

## **SPED 630 Instructional Methods for Learners with Extensive Support Needs**

This course will develop skills for planning and organizing evidence-based instructional strategies and supports for students with moderate to severe disabilities. Focus on methodologies to accommodate individualized learning needs of students with moderate to severe disabilities including: inclusive practices, basic principles of assessment, instruction, curriculum development, assistive technology, and augmentative and alternative communication.

**Credits: 3**

## **SPED 642 Standardized Assessment**

Provides instruction in the selection, administration and scoring of appropriate standardized assessment tools for children with learning problems. Course addresses the use of standardized assessment for determining special education eligibility and for developing IEPs.

**Credits: 3**

# Course Descriptions

## **SPED 646 Law and Special Education**

Examination of federal and state laws surrounding the education of students with disabilities.

**Credits: 3**

## **SPED 647 Clinical Experience I**

During this field placement, teacher candidates will apply learned skills specific to literacy and math remediation in a public school or related setting.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

## **SPED 648 Clinical Experience II**

During this field placement, teacher candidates will apply learned functional and academic skills specific to students with moderate to severe disabilities in a public school or related setting.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

## **SPED 649 Clinical Experience III**

Part-time clinical experience in either an elementary, middle, or high school special education setting. Supervised work experience with professional level responsibilities in public school or related setting, under the direction of a cooperating teacher and WOU supervisor. The teacher candidate assumes responsibility for the learning activities of children with disabilities and will complete a culminating work sample throughout the term.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

## **SPED 670 Collaboration: Supporting Exceptional Learners**

This course is designed to provide an analysis of collaboration and communication models. Focus on the influence of macro and micro level impacts on family, community

resources, advocacy groups, policy, and other factors. Emphasis is placed on providing equitable services for school-aged individuals with disabilities and their families.

**Credits: 3**

## **SPED 682 Contemporary Issues in Special Education**

Students explore, analyze and synthesize available knowledge and research on a range of issues relating to disability.

**Credits: 3**

## **SPED 689 Clinical Experience IV**

Full-time clinical experience in either an elementary, middle, or high school special education setting. Supervised work experience with professional level responsibilities in public school or related setting, under the direction of a cooperating teacher and WOU supervisor. The teacher candidate assumes responsibility for the learning activities of children with disabilities and will complete edTPA during this term.

Eligible for the RP grade option.

**Credits: 3**

**Prerequisite:** *Consent of instructor*

## **SSC 199 Special Studies**

Terms and hours to be arranged. May be repeated for up to 12 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **SSC 201 Introduction to Gender Studies**

A survey and critical analysis of the essential issues of feminism. Historical and contemporary texts form the basis for discussion of topics affecting men's and women's lives.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **SSC 401 Research**

Terms and hours to be arranged.

**Credits: 3-6**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **SSC 403 Field Study**

Terms and hours to be arranged. May be repeated for up to 12 credits. Not intended as practicum for teaching majors.

**Credits: 1-9**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **SSC 404 International Experience Capstone**

Working closely with an International Studies advisor, the student plans an international internship equivalent to 20 hours per week during 10 weeks, or a study abroad term of at least 8 weeks, or field research abroad. A mid-term progress report and an end-term final report are required. Eligible for the RP grade option.

**Credits: 2**

**Prerequisite:** *International Studies major, junior standing or above*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **SSC 405 Capstone**

The SSC 405 Capstone will require students, in consultation with their faculty advisor, to create a portfolio that demonstrates knowledge of concepts, insights and practical workplace skills in their social science area of study, summarizes and reflects on their learning experience, and requires them to prepare materials for graduate school or employment applications.

Eligible for the RP grade option.

**Credits: 1-4**

**Prerequisite:** *Senior standing, major in a social science discipline*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## **SSC 406 Special Individual Studies**

Terms and hours to be arranged. May be repeated for up to 12 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the

# Course Descriptions

Satisfactory/No Credit grade mode.

## SSC 407 Seminar

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-9**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SSC 408 Workshop

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-15**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SSC 409 Practicum

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 3-12**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SSC 490 Senior Social Science Seminar I

Designed to enable the integration of diverse social science and other disciplinary theories and methodologies into the study of contemporary concerns including but not limited to, issues such as urban issues, environmental conflict and social justice.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SSC 491 Senior Social Science Seminar II

Integration of diverse social science and other disciplinary theories and methodologies into the study of a contemporary concern, such as urban issues, environmental conflict, social justice or other areas of social conflict.

**Credits: 3**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SSC 507 Seminar

Terms and hours to be arranged.

May be repeated for up to 12 credits.

**Credits: 1-9**

## STAT 243Z Elementary Statistics I

A first course in statistics focusing on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be used when appropriate.

**Credits: 4**

**Prerequisite:** MTH 095 with a grade of C- or better, or MTH 101 with a grade of C- or better, or MTH 110 with a grade of C- or better, or satisfactory score on WOU's placement exam

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ICS 100 Academic Success

Designed for students who are on academic warning and probation. Students will learn strategies that will help them be successful as a student. Course concentrates on time management skills, study skills, procrastination, test-taking skills and managing test anxiety.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ICS 107 Learning Seminar

A mandatory course for students academically suspended from the university. Designed to help students in academic difficulty identify reasons for that difficulty, learn appropriate study techniques and become successful students. Focuses on academic skill-building, including goal-setting, time management and wise academic choices.

**Credits: 1**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ICS 110 International First Year Experience

Helps international students who are new to WOU learn to manage their educational experience as well as help them identify resources on campus. Addresses the challenges of assimilation into American university life including declaring majors, understanding major requirements, choosing appropriate courses, being aware of campus resources, understanding general skill requirements needed for comprehending lectures and assignments, identifying their language strengths, acquiring study skills, understanding the student code of responsibility and using and citing sources correctly.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ICS 112 Career Exploration

Students learn how personality, interests, strengths and values relate to career options. Helps them gain skills for a proactive approach to career development that includes interacting with professionals and participating in career events. Students learn to build pathways to help them reach their career goals.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ICS 113 Finding and Preparing for Internship

Students gain the fundamental tools to find and obtain an internship, including a better understanding of their interests, values and goals. Topics include internship search strategies, resumes, cover letters and interviewing. Guest speakers provide the perspective of employers.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## ICS 118 SEP: Summer Bridge Seminar - Returners

This is for returners to Summer Bridge

# Course Descriptions

Peer Advisors that have taken ICS 117 previously. This course will cover student development theory, event planning, first-year guidance, and the practical applications of these during Summer Bridge week.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ICS 122 SEP: First Year Experience I

This is part of a 3-term sequence that guides first-year students at WOU through study skills, transitional issues, major/career planning, financial literacy, and research techniques.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ICS 123 SEP: First Year Experience 2

This is part of a 3-term sequence that guides first-year students at WOU through study skills, transitional issues, major/career planning, financial literacy, and research techniques.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ICS 124 SEP: First Year Experience 3

This is part of a 3-term sequence that guides first-year students at WOU through study skills, transitional issues, major/career planning, financial literacy, and research techniques.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## ICS 125 Career Readiness

This course is designed to provide students with the fundamental tools to find and secure a job. Topics will include job search strategies, resume and cover letter writing, interview skills, and how to network like a pro. Face-to-face engagement with recruiters will provide additional insight into these topics from the perspective of employers. Reflection on students' interests, values, and goals will also be

integrated into the course.

May be repeated twice for credit.

**Credits: 2**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 101 Sustainable World

Introduces basic themes in sustainability including economic development, social inclusion, and environmental change. Interactions and dynamics of the world economy, the global society, and the Earth's environment are explored. Various historical, current and emerging challenges facing humanity may be explored in a sustainability context, including but not limited to globalization; social and environmental equity and justice; climate change and other planetary boundaries; the dynamics of global capitalism, economic growth, and crises; growth and steady state economics; the rise of automation and the meaning of work; science, truth and society; and how various state and regional political-economic systems are associated with sustainability outcomes.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## SUST 199 Special Studies

Individualized course. Students arrange terms and credits for pursuit of special interests, which may be related to content or to experience, e.g., study abroad, National Student Exchange, short-term projects, or specialized trainings.

May be repeated for up to 12 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 201 Nature & Society

Human societies are inherently dependent on the natural environment. At the same time, nature is subject to change from human action. This course focuses on processes of the earth-atmosphere system and also explores the complex web of

interactions between nature and humans. This course meets for four hours per week following an integrated lecture-lab format with 40% of the scheduled class time dedicated to experiential lab-oriented exercises.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## SUST 221 Data Analysis

A key question in the field of sustainability is what kinds of data should be used to determine whether actions and policies are effectively contributing to a more sustainable world or not. This course is a critical examination of methods and indicators for answering this question, including comparison and analysis of different designs and approaches, underlying values, and sources of data.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** *Critical Thinking*

## SUST 299 Special Studies

Individualized course. Students arrange terms and credits for pursuit of special interests, which may be related to content or to experience, e.g., study abroad, National Student Exchange, short-term projects, or specialized trainings.

May be repeated for up to 12 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 313 The Pacific Northwest

Physical and human resources of the Pacific Northwest. Interpretation of the present pattern of human use of the Pacific Northwest with special emphasis on Oregon.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 314 Mutual Aid

Mutual aid - the practice of collectively caring for one another - has been



# Course Descriptions

fundamental to sustaining communities, but is largely practiced outside of formal institutions and, as a principle, is at odds with competitive and individualistic values cultivated in many modern political and economic systems. This course is a critical examination of mutual aid as a principle and as a historical and contemporary practice in the making of a more sustainable world.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## SUST 316 Urban Sustainability

Cities present both challenges and opportunities for sustainability. Most importantly, a majority of the world's population lives in urban areas. Any movement towards a more sustainable world needs to address the role that cities and urban environments play in mediating the human relationship with nature. This course is a critical examination of cities and sustainability.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 321 Field Geography

Methods for collecting and analyzing data. Several field trips provide students the opportunity to collect data in the field. Emphasis on physical or human topics and specific methods will depend upon instructor.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Scientific Perspectives*

## SUST 330 Sustainability and Social Justice

Social injustice is widely acknowledged to be a critical barrier to sustainability. Initiatives to promote a more sustainable environment and economy that only work for some people and places, while excluding others, are unlikely to succeed. This

course is a critical examination of the role that social justice needs to play in making a more sustainable world.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## SUST 331 Environmental Justice

Introduction to environmental justice as a concept, a social and political movement, and a topic of analysis focused on the uneven social and geographic distribution of environmental harms, such as air pollution and toxic waste, and benefits, such as green space and tree cover.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 340 Sustainability & Capitalism

"Is capitalism sustainable?" is a fundamental question for both the theory and practice of sustainability. This course is a critical examination of how to ask and answer this question, both conceptually and in practice.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 370 Energy, Environment and Society

Examines how different societies utilize energy, how energy transformations change societies, how diverse environments shape the forms of energy utilization and the impacts of energy use on the environment.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 380 Environmental Conservation

Introduction to environmental conservation, the reasoned use of the

natural environment so that its utilization does not impair the environment's capacity for renewal and continued evolution. Focuses on contemporary global and regional issues such as greenhouse warming and deforestation.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## SUST 385 Nature in the American West

Examines historical and contemporary importance of nature, as concept and physical reality, to the economies, cultures and politics of the American West. Specific topics and areas of focus will vary each term.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 389 Land Systems and Sustainability

Anthropogenic land uses over the past few decades have contributed to a substantial transformation of the earth's lithospheric surface. Thus, sustainable land management measures and initiatives are necessary for ensuring socio-economic aspirations are balanced with ecological objectives. This course, from interdisciplinary perspectives, will use a combination of theories and frameworks from natural science, social science, and humanities to understand the complex feedbacks resulting from past and recent interactions between anthropogenic land uses and natural systems.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 390 Global Climate Change

Analysis and reflection on climate change historically and, in particular,

# Course Descriptions

on the current period of human-induced global warming. In addition to physical processes, students will learn about economic and cultural impacts of human induced climatic instability, and the challenge of sustainability in a changed world.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 391 Biogeography

Historical and ecological perspectives in analyzing plant and animal distributions. Topics include: speciation, extinction, dispersal, biodiversity and human impacts or biotic distributions.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## SUST 393 Soils and Sustainability

Soils are the foundation of terrestrial life. Their geographic distribution, classification and genesis will be studied in detail. Soil characteristics will be examined in both the classroom and field. Historic and current challenges will be explored regarding food production and sustainable agriculture.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 399 Special Studies

Individualized course. Students arrange terms and credits for pursuit of special interests, which may be related to content or to experience, e.g., study abroad, National Student Exchange, short-term projects, or specialized trainings.

May be repeated for up to 12 credits. Eligible for the RP grade option.

**Credits: 1-4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 401 Field Experience

Individualized credits for practical experience in sustainability, including, but not limited to, internships, practica, service learning, community organizing, and political campaigning. Terms and hours by arrangement.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 402 Independent Project

Individualized credits for work on sustainability projects initiated and designed by the student, including, but not limited to, academic research, literary and artistic expression, political campaigns, and community organizing. Terms and hours by arrangement.

**Credits: 1-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 412 Selected Topics

Advanced analysis of selected topics in sustainability.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## SUST 495 Senior Seminar

This course is an opportunity for students in the Sustainability program to engage in structured reflection on and summation of their studies.

**Credits: 4**

**Prerequisite:** *SUST 101 and SUST 201 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## TA 110 Introduction to the Theatre Arts

An introductory study of the theatre arts including theatre history, play analysis and production.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## TA 112 Introduction to Film

Introductory study of the history and process by which films are made, including general history, production planning, process and a basic understanding of the components that are synthesized to produce films.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## TA 115 Introduction to Scenic Arts

Lecture, reading, discussion and projects in the basic principles of scenecraft, the process of creating environments in which theatrical performances occur.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 165 Production Dynamics

Introduces all the elements involved in modern theatre production. Concerned with acquainting majors with the opportunities, expectations and requirements within the theatre program. Required for all freshman theatre majors.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 166 Text Analysis

Concentration in the process of reading, understanding, analyzing and interpreting play texts for production. Required for all freshman theatre majors.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 167 Play Reading

Students apply critical and analytical methods learned in TA 165 and TA 166 to analyze classic and modern dramatic literature. Required for all freshman theatre majors.

**Credits: 3**

**Satisfactory Grading:** Ineligible for

# Course Descriptions

the Satisfactory/No Credit grade mode.

## TA 199 Special Studies

Terms and hours to be arranged.

May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 205 Stage Speech I

Exploration of the essential components of voice and speech. Detailed concentration on the types of sounds in spoken English, the International Phonetic Alphabet and mastering standard American stage speech.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 220 Production Participation

Production participation for theatre majors and minors.

May be repeated for credit.

Pass-No Credit (P/NC) grading only.

**Credits: 0**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 221 Directing Practicum

This course offers students the opportunity to participate in guided, hands-on experiences associated with the directing process from script selection to closing.

Pass-No Credit (P/NC) grading only.

**Credits: 0**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 222 Foundations Workshops

This class is designed to offer students experience with contemporary topics and best practices in an art form that is constantly going through change in terms of delivery, process and philosophy. These workshops will provide experiences from a diverse array of presenters with the goal of keeping students on the front lines of educational theatre.

Pass-No Credit (P/NC) grading only.

**Credits: 0**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 225 Theatre Education Seminar

In this course, students will meet to discuss contemporary topics related to middle and high school theatre education. This will include a series of rotating topics related to pedagogy, classroom management, best practices, current issues, and more. In addition, classroom observation assignments and production participation assignments will be administered via this class.

May be repeated nine times for credit.

Pass-No Credit (P/NC) grading only.

**Credits: 0**

**Prerequisite:** *Acceptance into the BFA in Theatre Education program.*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 234 Stage Management

Basic principles and procedures of stage management. This course is strongly suggested for all students desiring to stage manage departmental productions.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 241 Tech Theatre Topics

Lecture, reading and discussion in specialized areas of theatre technology with suitable opportunity for practical application. Topics vary by term.

May be repeated three times for credit.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 242 Design Aesthetics

Lecture, reading and discussion in the basic principles of theatrical design with suitable opportunity for practical application. Topics include

abstraction, simplification and genre.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 244 Technical Theatre: Scenecraft

Lecture, demonstration and studio practice in the basic principles and process of theatrical scenecraft.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 245 Technical Theatre: Lighting & Sound

Lecture, reading and discussion in the basic principles and process of theatrical lighting & sound, with suitable opportunity for practical application.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 246 Technical Theatre: Costuming

Lecture, reading and discussion in the basic principles and process of theatrical costuming and design with suitable opportunity for practical application.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 251 Elements of Acting

For non-majors and non-performance theatre majors. Exploration of the modern acting technique with a concentration of the basic elements of acting.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## TA 252 Technical Theatre: Makeup

Basic principles and processes of theatrical makeup, including

# Course Descriptions

demonstrations and daily practice.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## TA 253 Production Workshop

Provides students with lower division credit for participating in acting or technical work for the theatre program. May be repeated for credit.

**Credits: 1-3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 255 Movement I

Introduction to the principles of movement for the stage with a focus on developing dexterity, strength and coordination.

**Credits: 2**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 260 Basic Movement and Voice Development

Students will study the cultural and social circumstances that have shaped the use of their own voices and analyze how those cultural and societal influences manifest through self expression. They will explore and apply recognized vocal/movement/integration techniques and methods commonly utilized in theater and performance art training in creative ways to enhance their ability to express themselves fully and with complete presence.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## TA 261 Movement II

In depth, practical study of advanced movement techniques for actors. Actors will explore character development from a physical level and

apply all of the above in performance.

**Credits: 2**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 264 Directing I

Introduction to dramatic theories and techniques and their application to play direction.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 265 Acting I

A rigorous study of modern acting technique that explores the basic tools of the actor and introduces the fundamentals of the Stanislavsky system.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 271 Acting II

An in-depth application of theories learned in TA 265 and explored through rigorous scene and monologue work.

**Credits: 4**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 290 Voice I

Introduction to the principles of Fitzmaurice Voicework with an emphasis on deconstructing the breathing process.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 305 Stage Speech II: Dialects

Students apply theories learned in TA 205 to mastering European and American stage dialects.

**Credits: 2**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of*

*instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 308 History of Fashion

A course in the development of fashion from earliest times to the present with an emphasis on Western world culture.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 315 Musical Theatre Studio I

An introduction to musical theatre performance with emphasis on musical theatre acting techniques, score-reading and text analysis.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 320 Dramaturgy

An exploration of the role of the production dramaturgy, including research skills, the dramaturgy's relationship with other members of the creative team and special emphasis on theatre-specific dramaturgical writing.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 321 Performance Art

Introduction to the field of performance art, through an examination of the history and practitioners of performance art and the practical creation and development of a performance art piece.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 328 Stage Combat Studio

History and practical application of stage combat as regulated by the Society of American Fight Directors (SAFD). The focus is threefold: foremost is safety, followed by technical proficiency and emotional investment in the acting of stage violence. Each term course will focus on one of the weapon styles

# Course Descriptions

recognized by the SAFD.  
May be repeated for credit.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 330 Script Writing

Concentrates on the basic skills of writing scripts for the theatre: plotting, character development, form and structure.

May be repeated three times for credit.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 336 Stage Properties

Principles and techniques of stage properties design and production. Includes script analysis, construction techniques and organizational strategies.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 338 History of Architecture and Decor

A study of architecture, furniture and decorative arts from early Greek to modern, focusing on the eras that most commonly influence theatrical production styles.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 343 Costume Design

Basic principles and studio practice in costume design.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## TA 344 Costume Crafts

Concentrates on special materials and techniques used in the costume shop, including mold-making/casting, thermoplastics, dyes, paints and printing.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 345 Scenic Painting I

Basic principles and studio practice in scene painting.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 346 Scenic Design

Basic principles and studio practice in scene design.

**Credits: 4**

**Prerequisite:** TA 244 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 348 Lighting Design

Basic principles and studio practice in lighting design.

**Credits: 4**

**Prerequisite:** TA 245 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 349 Design Studio

Advanced studio course dealing with design analysis, composition and drawing/rendering techniques. May be repeated three times for credit.

**Credits: 3**

**Prerequisite:** TA 346 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 351 Voice II

Continues the exploration of Fitzmaurice Voicework with an emphasis on restructuring the breathing process and connecting the voice work to the text.

**Credits: 2**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 353 Advanced Production Workshop

Provides students with upper division credit for participating in acting or technical work for the theatre program. May be repeated for credit.

**Credits: 1-3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 354 Production Design I

Scenic, lighting, costume or sound design for main stage or studio theatre productions.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 355 Production Management I

Stage management, shop supervision or other leadership roles in theatre production.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 357 Production Performance

Performance in main stage or studio theatre productions.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 358 Production Direction

Students work as director, assistant director, choreographer or dramaturgy for main stage or studio theatre productions.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for

# Course Descriptions

the Satisfactory/No Credit grade mode.

## TA 359 Production Fabrication

Scenery, costume or properties construction and scenic painting for main stage or studio theatre productions.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-4**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 360 Contemporary Audition

Involves the practical study and application of developing modern audition techniques and career development for the stage.

**Credits: 4**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 368 Masks

Intermediate movement dynamics are explored through intensive character mask work in a conservatory/lab setting.

**Credits: 2**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 370 Acting For The Camera

By performing and viewing work on camera every day, students will learn how to temper their acting from the broadness required for the theatre to the intimacy of the camera. Audition techniques, acting in commercials, acting in film and acting in television will be covered.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 371 Acting Meisner I

Intermediate exploration of modern acting with a focus on the theories of

Sanford Meisner Technique.

**Credits: 4**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 381 Theatre History I

An integrated examination of the history, literature, theory and criticism of the theatre from the Greeks through the Renaissance.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 382 Theatre History II

An integrated examination of the history, literature, theory and criticism from the Restoration to the beginning of the 20th century.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 383 Theatre History III

An integrated examination of the history, literature, theory and criticism of the theatre from the beginning of the 20th century to the present.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 386 International Theatre

An integrated examination of the history, literature, theory and criticism of the theatre around the world. The focus will include theatre from Asian, Latin American, African and others.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 394 Acting Meisner II

A continuation of Sanford Meisner's work with a focus on achieving emotional freedom on stage.

**Credits: 4**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for

the Satisfactory/No Credit grade mode.

## TA 395 Special Studies: Plays in Performance

The study of plays through performance; viewing, analyzing, critically assessing. Students attend four professional performances per year and complete associated written work assigned by faculty adviser. May be repeated for credit.

**Credits: 1**

**Prerequisite:** *B.F.A. students only*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 399 Special Studies

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 405 Acting Shakespeare

Concentration in the process of acting Shakespeare for the stage. Verse speaking, text analysis, antithesis and a view to the ever-changing world of the Elizabethan acting style.

**Credits: 4**

**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 407 Seminar

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 408 Workshop

Terms and hours to be arranged. May be repeated for up to 16 credits.

**Credits: 1-15**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## TA 409 Practicum

Terms and hours to be arranged.  
May be repeated for up to 16 credits.  
**Credits: 1-15**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 410 Acting for the Camera II

Continuation of the work done in TA 370. Students will continue to develop technique and competency required for acting in commercials, film and television, with a focus on selected styles and approaches.  
**Credits: 3**  
**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 412 Portfolio Review

Portfolio and resume refinement, interview skills for technical theatre and a survey of the job market.  
**Credits: 2**  
**Prerequisite:** *Consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 420 Acting: Scene Study

Intermediate acting technique with emphasis on advanced approaches to the text/script. Various aspects of professional/career development.  
**Prerequisite:** Acceptance to the BFA Acting Training Program or consent of instructors.  
**Credits: 1**  
**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of Instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 427 Contemporary Theatre

A study of significant developments in contemporary theatre with emphasis on the influence of film and television. Selected plays and playwrights, chosen from the late 20th and early 21st centuries, will be studied in relationship to societal trends and

popular media.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 432 Acting Styles I: Modernism

Intensive study of the skills required when acting various modern acting styles and traditions. Explores world views of the plays and performance traditions.  
**Credits: 4**  
**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 433 Acting Styles II: Restoration/Manners

Intensive study of the skills required when acting various classical acting styles tradition. Explores world views of the plays and performance traditions.  
**Credits: 4**  
**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 434 Advanced Scenecraft

Advanced work in scenic techniques and processes.  
**Credits: 3**  
**Prerequisite:** *TA 244 or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 436 Advanced Costume Techniques

Advanced work in the area of costuming.  
**Credits: 3**  
**Prerequisite:** *TA 246 or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 437 Acting Shakespeare II

Advanced techniques of acting Shakespeare and approaching heightened language and verse.  
**Credits: 4**  
**Prerequisite:** *Acceptance to the BFA Acting Training Program or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 440 Theatre Management

A study of the problems and procedures involved in running the business affairs of a theatre: the box office, house, publicity, ticket sales, supporting funds, budgeting.  
**Credits: 3**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 443 Advanced Costume Design

Advanced principles and studio practices in costume design.  
**Credits: 4**  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 445 Scenic Painting II

Advanced principles and studio practice in scenic painting.  
**Credits: 3**  
**Prerequisite:** *TA 345 or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 446 Advanced Scene Design: CAD

Advanced principles and studio practice in scenic design, using computers for drafting and painting.  
**Credits: 3**  
**Prerequisite:** *TA 346 or consent of instructor*  
**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## TA 447 Digital Imagery for Theatre

Advanced studio class dealing with the creation, manipulation and use of digital images in theatre production.

**Credits: 4**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 448 Advanced Lighting Design

Continued study and practice of lighting design.

**Credits: 4**

**Prerequisite:** TA 348 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 453 Capstone Experience

Capstone independent study to be determined for all majors by faculty adviser.

Eligible for the RP grade option.

**Credits: 3**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 454 Production Design II

Advanced scenic, lighting, costume or sound design for main stage or studio theatre productions.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 455 Production Management II

Advanced stage management, shop supervision or other leadership roles in theatre production.

May be repeated for credit.

Eligible for the RP grade option.

**Credits: 1-3**

**Prerequisite:** Consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 457 Directing II

Study of the practical processes of directing by which plays are produced in the theatre.

**Credits: 3**

**Prerequisite:** TA 264 or consent of instructor

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## TA 534 Advanced Scenecraft

Advanced work in scenic techniques and processes.

**Credits: 3**

**Prerequisite:** TA 244 or consent of instructor

## TA 536 Advanced Costume Techniques

Advanced work in the area of costuming.

**Credits: 3**

**Prerequisite:** TA 246 or consent of instructor

## TA 557 Directing II

Study of the practical processes of directing by which plays are produced in the theatre.

**Credits: 3**

**Prerequisite:** TA 264 or consent of instructor

## WR 121Z Composition I

WR 121Z engages students in the study and practice of critical thinking, reading, and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes.

**Credits: 4**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** Writing

## WR 122Z Composition II

WR 122Z builds on concepts and processes emphasized in WR 121Z, engaging with inquiry, research, and

argumentation in support of students' development as writers. The course focuses on composing and revising in research-based genres through the intentional use of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experience; use this to frame and pursue their own research questions; and integrate material purposefully into their own compositions.

**Credits: 4**

**Prerequisite:** WR 121Z with a grade of C- or better or demonstrated competency

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Foundational Skills:** Writing

## WR 222 Writing for the Sciences

Combines instruction in writing on issues in the sciences with strategies for researching scientific material. Focus is placed on finding, evaluating and utilizing library and electronic resources along with developing strategies for understanding, analyzing and making scientific arguments. Students will also become familiar with documentation styles used in science writing.

**Credits: 4**

**Prerequisite:** Completed General Education writing requirement

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 223 Research and Composition

Combines instruction in research skills with the production of essays utilizing research, including traditional library research, documentation styles and forms of researched writing.

**Credits: 4**

**Prerequisite:** Completed General Education writing requirement

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 227Z Technical Writing

WR 227Z introduces students to producing instructive, informative, and persuasive technical/professional documents aimed at well-defined and achievable outcomes. The course focuses on presenting information



# Course Descriptions

using rhetorically appropriate style, design, vocabulary, structure, and visuals. Students can expect to gather, read, and analyze information and to learn a variety of strategies for producing accessible, usable, reader-centered deliverable documents that are clear, concise, and ethical.

**Credits: 4**

**Prerequisite:** WR 121Z with a grade of C- or better, or WR 122Z with a grade of C- or better and instructor permission

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 230 Introduction to Writing Studies

Introduction to composition theory and upper division writing concentrations: composition and rhetoric, creative writing and professional writing. Includes the development of a digital portfolio for archiving written artifacts.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 260 Creative Writing Fiction

A beginning course in the writing of fiction. Introduces craft, workshop vocabulary, strategies for revision, and the habit of reading like a writer.

**Credits: 4**

**Prerequisite:** WR 122Z

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## WR 300 Writing in the Workplace

Instruction and practice in professional workplace writing, with emphasis on genre, audience and collaboration.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Social, Historic, and Civic Perspectives*

## WR 301 Integrating Writing and Design

Instruction and practice designing professional writing documents.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Exploring Knowledge:** *Literary and Aesthetic Perspectives*

## WR 302 Editing and Style for Writers

Introduction to fundamental concepts of sentence structure, conventions and usage to help writers create clear, effective, correct and well-crafted sentences, appropriate for a particular genre. Instruction will involve study of mentor texts/sentences and application to students' writing. For both creative and professional writers.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 303 Topics in Public and Professional Writing

Courses, seminars or workshops in specialized topics relating to business, technical and professional writing. May be repeated three times for credit, if content is different.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 304 Grant and Proposal Writing

This class introduces students to proposal writing, with an emphasis on writing for grant opportunities.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge:** *Citizenship, Social Responsibility, and Global Awareness*

## WR 360 Fiction Workshop

First course in fiction writing, emphasizing technique and critical appreciation of fiction writing. Workshop.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 361 Poetry Workshop

First course in poetry writing, emphasizing technique and critical appreciation of poetry writing. Workshop.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 363 Creative Nonfiction Workshop

First course in creative nonfiction writing, emphasizing technique and critical appreciation of genre. Workshop.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 364 Topics in Creative Writing

First course in techniques of creative writing in areas other than fiction or poetry. Specific focus will be identified each time course is offered.

Workshop.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 398 Credit for Prior Learning Portfolio Development Workshop

Provides personalized guidance in the development of a professional portfolio that demonstrates how prior learning

# Course Descriptions

experiences resulted in college-level learning.

**Credits: 4**

**Prerequisite:** Consent of instructor.

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 399 Special Studies

May be repeated for up to 8 credits, if content is different.

**Credits: 4-8**

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 400 Diversity and Inclusion in Professional Writing

In this course, students learn to write for audiences from different cultures and to collaborate with writers with various cultural backgrounds. They also learn about historical examples of disenfranchisement in the United States and perform research to find strategies for improving situations of discrimination in professional fields of their choice.

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 401 Writing Across Media

Experience with principles of media theory and media genre conventions that affect the display of digital writing.

**Credits: 4**

**Prerequisite:** *Completed General Education Writing Foundation requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Science, Technology, and Society*

## WR 402 Professional Editing

Instruction and experience in editing technical and professional documents, including both print and online publications. Covers types of editing, the production process and issues in editing.

**Credits: 4**

**Prerequisite:** Completed General

Education Writing Requirement

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 405 Professional Concerns

Course prepares students for job search by familiarizing them with employment documents (e.g. cover letters, portfolios, resumes) and interpersonal employment conventions (e.g., in-person and distance interviews, social media, elevator pitches, career fairs).

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 406 Special Individual Studies

Terms and hours to be arranged. Individual or special studies in a limited area of interest under the guidance of a designated faculty member. May be repeated for up to 15 credits, if content is different.

**Credits: 1-15**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 409 Internship

Terms and hours to be arranged. May be repeated for up to 8 credits, if content is different.

Eligible for the RP grade option.

**Credits: 1-8**

**Satisfactory Grading:** Ineligible for the Satisfactory/No Credit grade mode.

## WR 412 Writing Center Internship

Theoretical and practical foundation in the tutoring of writing, the writing process itself, and professional service. Experiential work hours contracted for each student in the Writing Center.

May be repeated for up to 6 credits.

**Credits: 1-6**

**Prerequisite:** *Consent of instructor*

**Satisfactory Grading:** Eligible for the

Satisfactory/No Credit grade mode.

**Integrating Knowledge** *Citizenship, Social Responsibility, and Global Awareness*

## WR 440 Writing Theory and Pedagogy

Study of current theories and practices in teaching writing for grades 5-12 and college. Provides an introduction to writing process, assignment design and assessment. Recommended for students planning to attend graduate school (English or MAT).

**Credits: 4**

**Prerequisite:** *Completed General Education writing requirement*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 460 Advanced Fiction Workshop

Advanced study of fiction-writing techniques. Workshop.

May be repeated once for credit.

**Credits: 4**

**Prerequisite:** *WR 360 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 461 Advanced Poetry Workshop

Advanced study of poetry writing technique. Workshop.

May be repeated once for credit.

**Credits: 4**

**Prerequisite:** *WR 361 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 463 Advanced Creative Nonfiction Workshop

Advanced study of creative nonfiction techniques and writing for publication. Workshop.

May be repeated once for credit.

**Credits: 4**

**Prerequisite:** *WR 363 or consent of instructor*

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

# Course Descriptions

## WR 464 Writing for Publication

A survey of methods of publication and of markets for various kinds of writing. Theory and practice in manuscript preparation, manuscript form, proofreading and copyright application. Submission of actual manuscript for publication.

**Credits: 4**

**Prerequisite:** WR 360, WR 361, WR 363 or WR 364 or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 496 Special Topics in Writing

An exploration of selected writing topics, as identified in each year's schedule of classes.

May be repeated once for credit, if content is different.

**Credits: 4**

**Prerequisite:** One upper division writing course or consent of instructor

**Satisfactory Grading:** Eligible for the Satisfactory/No Credit grade mode.

## WR 530 Teachers as Writers

A graduate writing course for licensed in-service teachers to refine their writing practice, voice, and style.

**Credits: 4**

## WR 540 Writing Theory and Pedagogy

Study of current theories and practices in teaching writing for grades 5-12 and college. Provides an introduction to writing process, assignment design and assessment. Recommended for students planning to attend graduate school (English or MAT).

**Credits: 4**

**Prerequisite:** Completed General Education writing requirement

## WR 596 Special Topics in Writing

An exploration of selected writing topics, as identified in each year's schedule of classes.

May be repeated once for credit, if content is different.

**Credits: 4**

## WR 600 Writing Portfolio Capstone

The capstone course in the Graduate Certificate in Writing Theory and Practice for In-Service Teachers, leading students through the creation of a digital portfolio demonstrating their achievement of the program learning outcomes.

Pass-No Credit (P/NC) grading only.

**Credits: 2**

## WR 606 Special Individual Studies

Individual or special writing instruction in a specific form of writing under the guidance of a designated faculty member.

May be repeated for up to 6 credits, if content is different.

**Credits: 1-6**

## WR 630 Professional Writing and Research

This course will familiarize students with professional writing and research, and will help them cultivate professional writing and design skills with projects tailored to their personal and professional goals. Students in the course will examine professional standards in students' career and/or academic fields and consider how those standards affect writing and research.

**Credits: 3**

## WR 642 Writing Across the Curriculum

Introduces students to the theories and techniques in teaching writing and teaching via writing, relevant to content knowledge courses.

**Credits: 3**

# About WOU

---

## Welcome

Western Oregon University's student body of 3,320 undergraduates and 431 graduates enjoys a vibrant and close-knit intellectual community. As a public-serving institution dedicated to strengthening our region and Oregon, WOU is home to the nationally renowned The Research Institute, the Research and Resource Center with Deaf\* communities and the Rainbow Dance Theatre.

In addition to teaching excellence, WOU's faculty members are engaged in wide-ranging scholarship as well as community-based projects, including many faculty-student collaborations. Our picturesque, award-winning campus blends welcoming traditional features with 21st century convenience, including many multimedia classrooms, extensive wireless Web access and a modern and well equipped recreation center.

## Campus Locations

### **Western Oregon University**

345 N. Monmouth Avenue  
Monmouth, OR 97361  
(503) 838-8000

A public, mid-sized comprehensive university, WOU is committed to changing lives, strengthening communities and transforming our world. Located in Monmouth, the heart of Oregon's lush Willamette Valley, WOU's main campus is about 20 minutes from Salem, the state's capitol and about 75 minutes from Portland, the state's cultural hub.

### **WOU:Salem**

525 Trade St. SE  
Salem, OR 97301  
[wou.edu/salem/](http://wou.edu/salem/)  
(503) 838-8271

WOU:Salem is located in South Salem, 10 minutes from Oregon's state capitol and 25 minutes from the Monmouth campus. WOU:Salem serves the region's working adults with flexible, convenient and relevant course offerings.

At the graduate level, the Organizational Leadership, M.A. and the Rehabilitation Counseling, M.S. are offered at this location. At the undergraduate level, Interdisciplinary Studies, B.A. and the Liberal Studies, B.A.S. are offered at this location. The B.A.S. in Liberal Studies provides a streamlined path to a four year degree for those who hold associate of applied science (A.A.S.) degrees in career- or technical-related fields while the B.A. in Interdisciplinary Studies serves students who have completed the AAOT, another transfer degree or course work towards a transfer degree. WOU:Salem also offers General Education and upper division course options in a range of fields including Psychology, Business, Sociology, Political Science, and Professional Writing.

### **Western Online**

(503) 838-8042

Western Oregon University offers courses in a range of academic areas through the University's online learning management system. Students can complete program requirements in the following programs online: MA in Interpreting Studies, M.S. Ed. in Information Technology, M.S. Ed. in Deaf and Hard of Hearing Education, M.A. in Criminal Justice, B.A. or B.S. in Criminal Justice, B.A., B.A.S. or B.S. in Psychology.

### **Willamette Promise** (high school students)

[wou.edu/willamettepromise/](http://wou.edu/willamettepromise/)  
(503) 540-4420

Willamette Promise provides opportunities for Oregon's public high school students to earn WOU credits through our state-approved Assessment-Based Learning program.

# WOU's Structure

## WOU Board of Trustees

### **Jerry Ambris**

Salem, June 30, 2027

### **David Foster**

WOU Faculty, June 30, 2024

### **Kari Nelsestuen**

Portland, June 30, 2026

### **Susan Castillo**

Eugene, June 30, 2024

### **Betty Komp**

Gates, June 30, 2025

### **Jesse Peters**

WOU President

### **Guadalupe "Lupe" Diaz**

June 30, 2026

### **Ceceila Koontz**

Monmouth, June 30, 2024

### **Michael Reis**

WOU Staff, June 30, 2024

### **Gayle Evans**

Portland, June 30, 2026

### **Cristian Mendez-Garcia**

Hubbard, June 30, 26

### **Cas Wonsowicz**

Portland, June, 30, 2026

### **Angela Fasana**

Willamina, June 30, 2026

### **Leah Mitchell**

Salem, June 30, 2026

### **Danielle Campbell**

WOU Student, June 30, 2024

## President

### **Jesse Peters (2022)**

B.A. 1992, Emory University

M.A. 1994, Ph.D. 1999, University of New Mexico

## President's Senior Leadership

### **Paula Baldwin**

Interim director, Marketing and Communications

B.A. 2007, University of Texas

M.A. 2009, Texas State University

Ph.D. 2012, George Mason University

### **Tina Fuchs (1989)**

Vice president, Student Affairs

B.A. 1985, Pacific University

M.Ed. 1989, Western Washington University

### **Randi Lydum (2012)**

Executive director of Intercollegiate Athletics

B.S. 1990, M.S. Ed 1993, Western Oregon State College

### **TBD**

Provost and vice president, Academic Affairs

### **Ricardo Lujan Valero (2023)**

B.S. 2017, Southern Oregon University

### **Kevin Wojke (2023)**

B.A. 2001, Washington State University

E.M.N.L.P. 2005, Seattle University Carson Campbell

Interim General Counsel

### **Tatyana Karaman (2018)**

Vice president, Finance and Administration

Law Degree. 1991, Far-Eastern State University, Russia

M.S. 1999, Ph.D., 2004, University of Wisconsin-Milwaukee

M.B.A. 2019, Louisiana State University-Shreveport

**Evan Sorce (2023)**

Secretary to the Board of Trustees and Special Assistant to the President  
 B.S. 2010, Western Oregon University  
 M.P.P. 2012, Oregon State University

**Dominique Vargas (2022)**

Executive Director, Diversity, Equity & Inclusion  
 B.S. 2005, M.Ed. 2018 Sul Ross State University  
 M.A. 2007, University of Southern California

**LouAnn Vickers (2006)**

Senior Executive Assistant to the President

## Deans and Associate Provosts

**Chelle Batchelor (2019)**

Dean, Library and Academic Innovation  
 A.A. 1994, Chemeketa Community College  
 B.A. 1997, University of Oregon  
 M.L.I.S. 2005, University of Washington

**Hillary Fouts (2020)**

Dean, Graduate Studies and Research, professor of psychology  
 B.A. 1997, B.S. 1997, Central Washington University  
 Ph.D. 2002, Washington State University

**Mark Girod (2001)**

Dean, College of Education; professor of education  
 B.S. 1993, Western Oregon State College  
 M.S. 1996, Western Oregon University  
 Ph.D. 2001, Michigan State University

**Melissa Larson (2008)**

Associate vice president for Student Affairs; Dean of Students  
 B.S. 1997, Western Oregon University

**Kristin Latham-Scott (2008)**

Interim Dean, College of Liberal Arts and Sciences; professor of Biology  
 B.S. 1998, Pacific Lutheran University  
 Ph.D. 2005, Oregon State University

**Judy Silva (2022)**

Associate provost, Academic Effectiveness  
 B.A. 1992, University of California Irvine  
 Ph.D. 1999, University of California Riverside

## Administrative Directors

**Carson Campbell** (2018), interim general counsel. B.A. 2000, Wake Forest; M.A. 2002, Cornell University; J.D. 2007, Duke University

**Rebecca Chiles** (2014), assistant vice president for Safety and Operations. A.A. 1992, Bossier Parish College; B.A. 1995, University of Arkansas

**Adry Clark** (2012), director, Center for Career Pathways. B.S. 1990, California State Polytechnic University, Pomona; M.S. 2002, California State University, Long Beach; Ph.D. 2014, Oregon State University

**Amy Clark** (2015), registrar. B.A. 2002, Oregon State University

**Michael Ellis**, University Computing Services. B.S. 2002 Western Oregon University; M.S. 2010 Western Oregon University

**Kella Helyer** (2015), director, Financial Aid. B.S. 1990, Oregon State University

**Anna D. Hernandez-Hunter** (1996), director, Multicultural Student Services and Programs. B.A. 1996, Western Oregon State College

**Rip Horsey** (2010), director, Campus Recreation. B.S. 1990, University of Missouri; M.A. 2009, Gonzaga University

**Shaun Huston** (2000), director, General Education. B.A. 1991, Lewis and Clark College; M.A. Syracuse University; Ph.D. 1996 Syracuse University

**Paige Jackson** (2022), director, Student Success & Advising

**Malissa Larson** (2008), associate vice president for Student Affairs and Dean of Students, Student Affairs. B.S. 1997, M.S. 2005, Western Oregon University

**Shadron Lehman**, controller, Accounting and Business Services

**Camarie Moreno** (2017), director, Budget and Planning. B.S. 2015, Western Oregon University

**Michael Reis** (2020), director, Academic Innovation. B.A. 2007, DePaul University, M.A. 2009, Graduate Theological Union, M.S.Ed. 2015, University of Pennsylvania

**Shondra Russell** (1999), director, Upward Bound. B.S. 1998, University of Utah; M.Ed. 2003, Oregon State University

**Darin E. Silbernagel** (1989), treasurer, Finance & Administration. B.S. 1983, Oregon State University

**Chris Solario**, director, Student Enrichment Program (Trio-SSS)

**TBD**, director, Admissions.

**TBD**, associate vice president, Human Resources, Affirmative Action

**LouAnn Vickers** (2006), executive assistant to the president

**Denise Visuaño** (1999), director, Publications and Creative Services. B.A. 1999, Western Oregon University; M.S.Ed. 2017, Western Oregon University

**Beverly West** (2016), director of Academic Affairs. B.A. 2005, Holy Names University; J.D. 2008, University of California College of the Law SF

**Albert Worotikan** (2016), director, Campus Dining. B.S. 1992, Oregon State University

## Athletic Directors and Head Coaches

**Alyssa Asay** (2017), head athletic trainer (volleyball, women's basketball, baseball). B.S. 2012 Oregon State University; M.S. Montana State University

**Kacey Bingham** (2018), head women's soccer coach. B.S. 2006, Arizona State University

**Arne Ferguson** (1993), head football coach. B.A. 1991, Western Oregon University

**Ed Garland** (2017), assistant athletic director for facilities and event management. B.S. 1987, University of Oregon

**Octavious Gillespie-Bennett** (2016), head men's & women's track & field/cross-country coach. B.A. 2003, University of California, Los Angeles

**Holli Howard-Carpenter** (2013), head women's basketball coach. M.A. 2008, California State University, Chico

**Randi Lydum** (2012), athletic director. B.A. 1990, Western Oregon State College; M.S. Ed. 1993, Western Oregon State College/Oregon State University

**Stacy Metro** (2018), head women's volleyball coach. B.S. 1994, Northern Michigan University

**Cori Metzgar** (2011), director, athletics sports performance, senior women's administrator. M.A. 2000, Western Michigan University

**Jasmine Miller** (2018), assistant athletic director, compliance and student services, B.S. 2018, M.S.E. 2020, Western Oregon University

**Lonny Sargent** (2012), head softball coach. B.S. 2001, Warner Pacific College

**Kellen Walker** (2010), head baseball coach. B.S. 2010, Western Oregon University

## Emeritus Faculty and Administrators

### A

**Charles A. Alva** (1964-1985), Ed.D., professor emeritus, humanities

**Kit Andrews** (1992-2019), Ph.D., professor emeritus, english studies

### B

**Frank Balke** (1972-2003), Ph.D., professor emeritus, modern languages

**Louis E. Balmer** (1977-1993), Ph.D., professor emeritus, education

**Neal Bandick** (1970-1999), Ed.D., professor emeritus, biology

**James A. Barnard** (1963-1998), Ph.D., professor emeritus, mathematics

**Diane Baxter** (1988-2021), Ph.D., professor emeritus, creative arts

**James H. Beaird** (1962-1993), Ed.D., professor emeritus, psychology

**Tom Bergeron** (1987-2018), D.M.A., professor emeritus, music

**Hermas J. Bergman** (1966-1985), Ph.D., professor emeritus, history

**Hamid Behmard** (1999-2022), Ph.D., professor emeritus, mathematics

**Hank Bersani** (1999-2012), Ph.D., professor emeritus, special education

**Myra J. Brand** (1966-2000), D.M.A., professor emeritus, music

**Joann C. Brandhorst** (1975-1978, 1983-1998), M.P.E., assistant

professor emeritus, health and physical education

**Jerry Braza** (1995-2009), Ph.D., professor emeritus, health and physical education

**R. John Brinegar** (1969-1999), M.S., registrar emeritus

**Ray Brodersen** (1962-1997), Ph.D., professor emeritus, geology

**Meredith Brodsky** (1985-2007), Ph.D., professor emeritus, education

**Mary Bucy** (1998-2020), Ph.D., professor emeritus, education and leadership

**William E. Burke** (1968-1978), Ph.D., professor emeritus, physical education

## C

**Joseph R. Caligure** (1966-1992), M.S., assistant professor emeritus, health and physical education

**Peter Callero** (1986-2021), Ph.D., professor emeritus, sociology

**Dale Cannon** (1977-2003), Ph.D., professor emeritus, philosophy

**Jon Carey** (1976-2011), Ed.M., associate professor emeritus, health and physical education; athletic director

**Brian Caster** (1987-2021), Ph.D., professor emeritus, health & exercise science

**James Chadney** (1999-2005), Ph.D., dean emeritus, college of liberal arts and sciences

**Ronald L. Chatham** (1958-1961, 1962-1988), Ph.D., professor emeritus, social science

**Michael Cihak** (1986-2002), Ed.D., professor emeritus; vice president, student affairs and enrollment management

**Gordon W. Clarke** (1968-1978), Ph.D., professor emeritus, humanities

**Eric Cooley** (1976-2011), Ph.D., professor emeritus, psychology

**Ross R. Cotroneo** (1966-1994), Ph.D., professor emeritus, history

**Arlene Courtney** (1988-2021), Ph.D., professor emeritus, earth/physical science

**Peter C. Courtney** (1984-2014), J.D., assistant professor emeritus, communication studies; assistant to president

**Bill Cowart** (1984-1995), Ph.D., professor emeritus, president

## D

**Susan Daniel** (1995-2022), Ph.D., professor emeritus, philosophy

**Merlin D. Darby** (1968-1991), Ed.D., professor emeritus, counseling and guidance; director, counseling center

**Susan Dauer** (1990-2011), Ph.D., professor emeritus, teacher education

**Richard Davis** (1964-2003), Ph.D., professor emeritus, theatre arts

**Steven A. Douglass** (1986-2003), Ph.D., associate professor emeritus, mathematics

**Ed Dover** (1987-2017), Ph.D., professor emeritus, politics, policy and administration

**Donald H. Duncan** (1961-1963, 1965-1989), Ed.D., professor emeritus, special education

## E

**Dennis Eddings** (1968-2001), Ph.D., professor emeritus, English

**Leta Edwards** (1991-2007), M.P.A., professor emeritus, vice president for university advancement

**Jay Evett** (1968-1996), Ph.D., professor emeritus, physics

## F

**Jean M. Ferguson** (1969-1971, 1972-1994), Ed.D., professor emeritus, education

**Claire Ferraris** (1999-2017), Ph.D., professor emeritus, communication studies

**Christine Ferris** (1988-2007), adjunct instructor emeritus, french

**Ronald D. Finster** (1971-1999), Ph.D., professor emeritus, economics

**Richard Forcier** (1972-1996), Ph.D., professor emeritus, secondary education

**Anne Fox** (1996-2004), Ph.D., associate professor emeritus, public services librarian

**John Freeburg** (1973-2003), M.S., associate professor emeritus, special education, Research and Resource Center with Deaf communities

**Beverly J. Freer** (1970-1993), Ph.D., professor emeritus, humanities

## G

**Patricia Gallagher** (1970-1992), Ed.D., professor emeritus, education

**Irja Galvan** (1998-2010), Ph.D., associate professor emeritus, biology

**Wangeci Gatimu** (1998-2016), Ph.D., professor emeritus, education

**Max G. Geier** (1994-2014), Ph.D., professor emeritus, history

**Steven Gibbons** (1986-2017), Ph.D., professor emeritus, criminal justice

**Gerald R. Girod** (1969-1995), Ed.D., professor emeritus; dean of education

**Eduardo Gonzalez-Viana** (1993-2013), Ph.D., professor emeritus, spanish

**Beryl M. Green** (1960-1966, 1969-1988), Ph.D., professor emeritus, mathematics

## H

**Karen Haberman** (1998-2022), Ph.D., professor emeritus, biology



**Carol Harding** (1994-2019), Ph.D., professor emeritus, english studies

**Bob Hautala** (2004-2018), Ph.D., professor emeritus, health & exercise science

**Kevin Helppie** (1998-2021), D.M.A., professor emeritus, music

**Beverly Herzog** (1968-1999), Ph.D., professor emeritus, special education

**Vern D. Hiebert** (1959-1964, 1965-1988), M.S., associate professor emeritus, mathematics

**Kim Hoffman** (1981-2018), M.F.A., professor emeritus, art

**Betty P. Holdt** (1963-1995), Ed.D., professor emeritus, special education

**Solveig Holmquist** (1996-2011), D.M.A., professor emeritus, music

**Gudrun Hoobler** (1981-2019), Ph.D., associate professor emeritus, modern languages

**Don Y. Hoskisson** (1971-2003), M.F.A., professor emeritus, art

**Elizabeth E. Hoyser** (1965-1968, 1970-1988), Ph.D., professor emeritus, education

**Gary L. Huxford** (1961-1966, 1969-1970, 1971-1994), Ph.D., professor emeritus, history

## J

**Majduddin Mohammed Jaffer** (1958-1989), M.S.Ch.E., associate professor emeritus, chemistry

**Elaina Jamieson** (1999-2011), M.F.A., associate professor emeritus, art

**Gary D. Jensen** (1987-2007), Ph.D., dean emeritus, library and media services

**Kenneth Jensen** (1976-2003), Ph.D., professor emeritus, anthropology

**Richard I. Jensen** (1969-1970, 1971-1995), Ed.D., associate professor emeritus, education

**J. Morris Johnson** (1969-1998), Ph.D., professor emeritus, biology

**Deborah Jones** (1991-2015), M.F.A., professor emeritus, dance

## K

**James Keesey** (1970), Ph.D., associate professor emeritus, psychology

**Linda Keller** (1998-2011), Ph.D., professor emeritus, special education

**Merle A. Kelley** (1970-2000), Ph.D., professor emeritus, psychology

**Tom Kelly** (1989-2021), M.A., professor emeritus, health & exercise science

**Bert Y. Kersh** (1960-1985), Ph.D., professor emeritus, psychology

**Alice Trower Kirk** (1988-2004), M.A.T., adjunct instructor emeritus, French

**L. James Kirk** (1963-1987), M.A., professor emeritus, art

**John W. Knight** (1989-2003) M.Ed., assistant professor emeritus, health and physical education; track and cross country coach

**Norman Koch** (1968-1996), Ed.D., professor emeritus, education

**Laura Groves Kramer** (1989-2002), M.I.S., M.M., associate professor emeritus, collection development librarian

## L

**Marcelene Ling** (1976-1996), Ed.D., professor emeritus, education

**Judy M. Lovre** (1987-2005), M.Ed., assistant professor emeritus, health and physical education

## M

**Robert Main** (1968-1996), Ph.D., professor emeritus, mathematics

**Robert Martin** (1972-2002), Ph.D., professor emeritus, speech

**Harold (Skip) Mason** (1966-1991), M.S., associate professor emeritus, education; director of field services

**James Mattingly** (1996-2001), M.F.A., adjunct assistant professor emeritus, art

**Mollie Mayhead** (1997-2019), Ph.D., professor emeritus, communication studies

**David McCorkle** (1962-1997), Ph.D., professor emeritus, biology

**Gail McCowen** (1986-2000), M.A., adjunct instructor emeritus, history

**Gloria J. Kianu McFadden** (1966-1971, 1972-1987), Ed.D., professor emeritus, education

**Lotte Larson Meyer** (1976-1998), associate professor emeritus, reference and serials librarian

**Richard E. Meyer** (1969-1997), M.A., professor emeritus, humanities

**John P. Minahan** (1985-2011), Ph.D., professor emeritus; president

**Mary "Karie" Mize** (2005-2015), Ph.D., associate professor emeritus, education

**Denis Moran** (1967-2003), Ph.D., professor emeritus, social science

**Ronald R. Morgali** (1967-1992), Ph.D., professor emeritus, mathematics

## N

**Kent Neely** (2008-2019), Ph.D., professor emeritus, theatre/dance

## O

**Sharon Oberst** (1987-2019), Ph.D., professor emeritus, theatre and dance

**Ernest M. Ogard, Jr.** (1966-1996), Ed.D., professor emeritus, social science

**David Olson** (1984-2019), Ph.D.,  
professor emeritus, computer science

## P

**Robert Page** (1969-2000), M.F.A.,  
professor emeritus, theatre

**Addyse Palagyi** (1987-2004), Ph.D.,  
adjunct associate professor emeritus,  
theatre

**Mickey Pardew** (1985-2022), Ph.D.,  
professor emeritus, education and  
leadership

**Peggy Pedersen** (2004-2020), Ph.D.,  
professor emeritus, health and  
exercise science

**Anna M. Penk** (1973-1994), Ph.D.,  
professor emeritus, mathematics

**Lewis A. Pennock** (1968-1993),  
Ph.D., professor emeritus, biology

**Mark Perlman** (1998-2022), Ph.D.,  
professor emeritus, philosophy

**Sherry Perry** (1972-2003), B.S.,  
assistant professor emeritus; budget  
director

**Pete Poston** (1990-2021), Ph.D.,  
professor emeritus, chemistry

**Michele Price** (1980-2013), M.A.,  
director emeritus, study abroad

## R

**John Rector** (1987-2019), Ph.D.,  
professor emeritus, history

**Helen M. Redbird-Smith** (1956-1957,  
1958-1988), Ed.D., professor emeritus,  
social science

**Albert Redsun** (1969-1992), M.A.T.,  
associate professor emeritus,  
education

**Gwenda Rice** (1990-2011), Ph.D.,  
professor emeritus, teacher education

**Jacqueline L. Rice** (1969-1993),  
Ed.D., professor emeritus, health and  
physical education

**Leon Roland** (1985-2004), Ph.D.,  
professor emeritus, mathematics

**Marion O. Rossi** (1965-1996), M.A.,  
associate professor emeritus,  
humanities

**Jack C. Rye** (1970-1990), Ph.D.,  
professor emeritus, administration

## S

**Victor E. Savicki** (1971-2003), Ph.D.,  
professor emeritus, psychology

**Denvy Saxowsky** (2000-2015), M.S.,  
adjunct instructor emeritus, education

**Marion Schrock** (1970-1999), D.  
M.A., professor emeritus, music

**Joseph W. Sendelbaugh** (1985-  
2008), Ed.D., professor emeritus,  
special education

**Roshani Shay** (1979-2003), Ph.D.,  
professor emeritus, political science

**Narasingha "Ram" Sil** (1987-2011),  
Ph.D., professor emeritus, history

**Ajmer Singh** (1965-1998), Ph.D.,  
professor emeritus, economics

**Tracy Smiles** (2005-2015), Ph.D.,  
professor emeritus, education

**Julia Smith** (1984-2016), Ph.D.,  
professor emeritus, special education

**Robin Smith** (1988-2021), Ph.D.,  
professor emeritus, anthropology

**Joseph A. Soldati** (1972-1998),  
Ph.D., professor emeritus, English

**Richard Sorenson** (1969-1999),  
Ph.D., professor emeritus, music

**Lowell W. Spring** (1968-2003), Ph.D.,  
professor emeritus, biology

**Carl W. Stevenson** (1986-2003),  
Ph.D., associate professor emeritus,  
criminal justice

**Peter Stone** (1968-1994), M.A.T.,  
professor emeritus, art

**Cheryl Strand** (1989-2013), Ph.D.,  
professor emeritus, Spanish

## T

**Kathryn Thompson** (1985-2011),  
Ph.D., professor emeritus, psychology

**Robert Tompkins** (1969-1995), Ph.D.,  
professor emeritus, humanities

**Robert Turner** (1986-2008), Ph.D.,  
associate professor emeritus, biology

## V

**Judy Vanderburg** (1977-2021), M.A.,  
associate vice president emeritus,  
human resources

## W

**Michael Ward** (1997-2015), Ph.D.,  
professor emeritus, mathematics

**Maxine Warnath** (1962-1996), Ed.D.,  
professor emeritus, psychology

**Mark Weiss** (2005-2015), M.B.A.,  
administrator emeritus, president

**Helen E. Woods** (1985-2004), Ph.D.,  
professor emeritus, teacher education

**David Wright** (1985-2006), Ph.D.,  
professor emeritus, teacher education

## Y

**Curtis Yehnert** (1997-2019), Ph.D.,  
professor emeritus, english studies