

TRANSFER EDUCATION

WANT TO START AT UMPQUA AND TRANSFER?

Good choice! It's the personal attention you get at Umpqua that gives you a great start. Our graduates go on to successful academic and professional careers in all fields. One key to that success is advising — every transfer student should work closely with both a UCC academic advisor and a representative from the institution(s) they plan to attend. Umpqua is a great springboard for transfer success!

GET STARTED NOW!

TRANSFER DEGREES & OPTIONS – OVERVIEW

AA/OT OR OTM

Work closely with a UCC academic advisor to follow the Associate of Arts Oregon Transfer (AA/OT) degree program and complete your general education requirements, explore majors, and enter an Oregon public university campus or nearly any other college or university as a junior. Or follow the Oregon Transfer Module (OTM) to transfer as a sophomore. These are generally the best choices for students who are exploring different majors and/or different colleges and universities.

ASSOCIATE OF ARTS – OREGON TRANSFER (AA/OT)

The AA/OT degree is designed for students planning to transfer into a baccalaureate degree program in one of Oregon's public universities (University of Oregon, Oregon State University, Eastern Oregon University, Western Oregon University, Southern Oregon University, Portland State University, Oregon Tech) or the AA/OT as a “block transfer,” enabling a student to enter as a junior with all of the transfer school's lower division general education requirements met. The AA/OT offers students the flexibility to choose courses that interest them while fulfilling requirements at their transfer schools.

Several Oregon private institutions and a limited number of out-of-state institutions also accept the AA/OT. These include Concordia University, Pacific University, Warner Pacific College, George Fox University and Marylhurst University in the Portland area, as well as Western Baptist College, BYU - Hawaii, Hawaii Pacific University, Boise State University, Seattle Pacific University, and Washington State University. It is important to note that the AA/OT may not be the best degree option for all majors. Students should consult advisors in their major areas for educational planning related to required courses in their majors.

OREGON TRANSFER MODULE (OTM)

The Oregon Transfer Module (OTM) is an approved 45 credits of general education courses (foundational skills and introduction to discipline courses) that are common among Oregon's colleges and universities. Courses are selected from an approved list of general education requirements, determined by each Oregon community college, public university, or participating Oregon independent college or university. It is designed to improve student access to a college degree by enhancing opportunities for the transfer of credits earned at one community college or public university to another public college or university.

Any student completing an OTM who conforms to the guidelines below will have met the requirements for the OTM at any Oregon community college or public university.

- Upon transfer, the receiving institution may specify additional course work that is required for a major, for degree requirements, or to make up the difference between the OTM and the institution's total General Education requirements.
- The OTM includes coursework chosen from the courses approved for the categories below by the institution issuing the credit. In the case of community colleges, these are courses approved for the AA/OT degree; in the case of universities and four-year colleges, they are courses approved for the General Education portion of a baccalaureate degree.

AS OR TARGETED TRANSFER

Work closely with a UCC academic advisor to accumulate the maximum number of credits possible before transferring to your chosen college or university in your chosen major. These are generally the best choices for students who have selected a major or a college or university. Turn to page 46 for an alphabetical listing of transfer programs.

ASSOCIATE OF SCIENCE (AS)

The AS degree is designed for students who plan to transfer and complete a Bachelors of Science degree at a four-year institution. The degree requirements allow students more flexibility in course selection, allowing them to focus on their major requirements. NOTE : Completion of this degree does not guarantee that all lower-division General Education requirements have been met for a baccalaureate degree (i.e., this is not a block transfer degree as is the AA/OT). In selecting courses for this degree, students are strongly encouraged to consult the specific transfer curriculum pages in this catalog, the faculty advisor, and the institution to which they intend to transfer to determine if it is an appropriate choice.

ASSOCIATE OF GENERAL STUDIES (AGS)

This flexible degree option enables a student to complete an associate's degree that is tailored to the general education requirements of the transfer school. Students must exercise caution in using the AGS option, as the degree does not guarantee transferability of courses completed. Educational planning for the AGS should be done with the help of an advisor.

SECOND LANGUAGE ADMISSION REQUIREMENT FOR OREGON PUBLIC UNIVERSITIES

The admission requirements for the Oregon universities include the completion of an acceptable second language, including American Sign Language (ASL), coursework, or demonstration of knowledge of and/or proficiency in a second language. New undergraduate students are required to meet an assessed proficiency-based standard in a second language.

Contact the university of your choice for more details. All students graduating from high school in 1997 and thereafter must meet the requirement.

STUDENT LEARNING OUTCOMES FOR AA/OT DEGREES

The AA/OT/ASOT transfer degrees are designed to prepare students to succeed after transferring to public universities and to attain GPAs comparable to students who begin their education at those institutions. Students who attain these degrees will possess a wide range of knowledge and skills, as described in the categories below.

As a result of completing the AA/OT, students should be able to:

ARTS AND LETTERS

ARTS AND LETTERS refers to works of art, whether written, crafted, designed or performed, and documents of particular poignancy and significance in statement or design.

- Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life; and
- Critically analyze values and ethics within a range of human experience and expression to engage more fully in local and global issues.

MATHEMATICS

- Use appropriate mathematics to solve problems; and
- Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

SCIENCE OR COMPUTER SCIENCES

- Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions;
- Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner; and
- Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the

SOCIAL SCIENCES

- Apply analytical skills to social phenomena in order to understand human behavior; and
- Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SPEECH/ORAL COMMUNICATION

- Engage in ethical communication processes that accomplish goals;
- Respond to the needs of diverse audiences and contexts; and
- Build and manage relationships.

WRITING

- Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences;
- Locate, evaluate, and ethically utilize information to communicate effectively; and
- Demonstrate appropriate reasoning in response to complex issues.

CULTURAL LITERACY

- Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

ASSOCIATE OF ARTS / OREGON TRANSFER DEGREE (AA/OT)

The Associate of Arts Degree is conferred on students who complete a full lower division college transfer program meeting requirements set jointly by Oregon's community colleges and public universities. A minimum 90 credits with a grade of C or higher and a cumulative GPA of 2.0 or higher are needed to satisfy AA/OT requirements. All Foundational Requirements and Discipline Studies Requirements courses must be at least three credits each.

This degree provides for "block transfer" to Oregon's four-year colleges and universities. All lower division general education requirements of the receiving institution are met. ***Students should work closely with UCC advisors and faculty, and with representatives of the institution(s) to which they may transfer for specific details. There may be special requirements for specific programs or schools.***

To complete an AA/OT at Umpqua Community College, a minimum of 24 credits must be earned through UCC and two terms of attendance must have occurred at UCC.

Transfer note: Check transfer school for admissions, foreign language and cultural literacy, and transfer program requirements.

FOUNDATION REQUIREMENTS

Writing		8
WR 121	English Composition: Intro to Argument	4
WR 122	English Composition: Style and Argument <i>OR</i>	4
WR 227	Technical Report Writing	4

Oral Communications

Must take one of the following classes:

SP 105	Listening	3
SP 111	Fundamentals of Public Speaking	4
SP 112	Persuasive Speech	3
SP 218	Interpersonal Communication	3
SP 219	Small Group Discussion	3

Mathematics

One course of college level mathematics from the approved MTH courses listed on pgs. 44-45.

Health/Wellness/Fitness

HPE 295	Wellness & Health Assessment	3
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DISCIPLINE STUDIES REQUIREMENTS

Arts and Letters

Must take at least three courses, chosen from at least two disciplines from the approved list on pages 44-45.

Note: Second year world languages, are included in this category. First year world languages are counted as electives.

Science / Math / Computer Science

Must take at least four courses from at least two disciplines — including at least three biological or physical science courses with labs, from the approved list on pages 44-45.

Note: Math credits used to meet this requirement are in addition to any used to meet the Foundational Requirement above.

Social Science

Must take at least four courses chosen from at least two disciplines from the approved list on pages 44-45.

Electives

Any courses numbered 100 or above that would bring total credits up to 90.

Note: Electives may include up to 12 credits from the approved Career and Technical Education (CTE) list on pages 44-45, and a maximum of 12 credits of PE activity courses.

Cultural Literacy

At least one of the Discipline Studies courses above must be designated as meeting the criteria for Cultural Literacy.

This course is not an additional course — it would also meet Foundational, Discipline or Elective requirements.

No course substitutions are allowed for the AA/OT.

Courses used in these areas must be at least 3 credits. See pages 44-45 for approved courses.

No course may be used to satisfy more than one requirement or distribution area.

OREGON TRANSFER MODULE (OTM)

45 CREDITS

The Oregon Transfer Module is conferred upon students who complete a lower division college transfer program meeting requirements set jointly by Oregon's community colleges and public universities. This module provides "block transfer" to Oregon's four-year colleges and universities. A minimum 45 credits with a grade of C or higher and a cumulative GPA of 2.0 or higher are needed to satisfy OTM requirements. All Foundational Requirements and Discipline Studies Requirements courses must be at least three credits each.

Students planning to transfer should work closely with UCC advisors and faculty, and with representatives of the institution(s) to which they may transfer for specific details. There may be special requirements for specific programs or schools.

Transfer note: Check transfer school for admissions, foreign language and cultural literacy, and transfer program requirements.

FOUNDATIONAL REQUIREMENTS

Writing		8
WR 121	English Composition: Intro to Argument	4
WR 122	English Composition: Style and Argument <i>OR</i>	4
WR 227	Technical Report Writing	4

Oral Communications **3**

Must take one of the following classes:

SP 105	Listening	3
SP 111	Fundamentals of Public Speaking	4
SP 112	Persuasive Speech	3
SP 218	Interpersonal Communication	3
SP 219	Small Group Discussion	3

Mathematics **4-5**

One course of college level mathematics from the approved MTH courses listed on pgs. 44-45.

DISCIPLINE STUDIES REQUIREMENTS

Arts and Letters

Must take at least 3 courses from the approved list on pages 44-45.

Note: Second year world languages are included in this category.

Science / Math / Computer Science

Must take at least 3 courses, including at least 1 biological or physical science course with lab, from the approved list on pages 44-45.

Social Science

Must take at least 3 courses from the approved list on pages 44-45.

No course substitutions are allowed for the OTM

No course may be used to satisfy more than one requirement or distribution area.

****Courses used in these areas must be at least 3 credits. See pages 44-45 for approved courses.***

Students are encouraged to complete at least one course with the Cultural Literacy component in order to complete AA/OT requirements.

ASSOCIATE OF SCIENCE DEGREE (AS)

90 CREDITS (minimum)

The Associate of Science degree is designed for students planning to transfer credits to a baccalaureate degree program. Unless directly articulated with another college/university the degree does not guarantee that students will be accepted as having completed all lower division comprehensive and General Education requirements for a baccalaureate degree. There are no majors within this degree.

In selecting courses for this degree, students should consult advisors at UCC and the institution to which they will transfer about the requirement of their baccalaureate major. All elective courses must be lower division collegiate courses (numbered 100 and above). Career and technical course credits are limited to 12 credits unless part of an articulated program.

To complete the degree at Umpqua Community College a minimum of 25% of the program credits required must be earned through UCC and two terms of attendance must have occurred at UCC.

Listed next are the General Education requirements included in Associate of Science programs; additional courses are listed starting on p.50 under the specific degree program.

GENERAL EDUCATION REQUIREMENTS (23 - 26 CREDITS)

Writing		8
WR 121	English Composition: Intro to Argument	4
WR 122	English Composition: Style and Argument <i>OR</i>	4
WR 227	Technical Report Writing	4

Oral Communications **3**

Must take one of the following classes:

SP 105	Listening	3
SP 111	Fundamentals of Public Speaking	4
SP 112	Persuasive Speech	3
SP 218	Interpersonal Communication	3
SP 219	Small Group Discussion	3

Mathematics

MTH 105	Math in Society (or higher)	4
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Social Sciences **3**

3 credits from the Social Sciences discipline listing.

Arts & Letters **3**

3 credits from the Arts and Letters discipline listing.

Science **4**

4 credits of a science course with lab from the Science discipline listing.

Cultural Literacy **3**

3 credits from a course that is defined as meeting

Cultural Literacy from the discipline listings.

This course may also be used to satisfy one of the requirements listed above.

No course substitutions are allowed for the AS

ASSOCIATE OF GENERAL STUDIES DEGREE (AGS)

90 CREDITS

The Associate of General Studies (AGS) degree is intended to meet individual student needs using a variety of lower division college level courses to meet degree requirements. "Associate of General Studies" appears on the student's transcript. Specific program designation or focus does not appear on the student's transcript or degree. Academic or Career and Technical Education (CTE) courses used to satisfy AGS degree requirements must be on the approved list on pages 44-45.

The AGS degree must include 90 quarter credits or equivalent proficiency, a recognizable core of general education courses, and an established standard of academic achievement. Electives may include any combination of lower division collegiate transfer and/or collegiate level career and technical education courses.

To complete an AGS at Umpqua Community College, a minimum of 25% of the program credits required must be earned through UCC, two terms of attendance must have occurred at UCC, and a student must have a cumulative GPA of 2.0 or higher.

GENERAL REQUIREMENTS

MTH 105 or above 4-5
(from the approved MTH courses listed on pgs. 44-45 *OR* BA 180 Business Mathematics I)

Writing

WR 121 English Composition: Intro to Argument 4

Human Relations

PSY 101 Psychology of Human Relations 3

DISCIPLINE STUDIES REQUIREMENTS

Arts and Letters

Must take at least 1 course from the approved list on pages 44-45.

Science / Math / Computer Science

Must take at least 1 course from the approved list on pages 44-45.

Social Science

Must take at least 1 course from the approved list on pages 44-45.

No course substitutions are allowed for the AGS

No course may be used to satisfy more than one requirement or distribution area.

**Courses used in these areas must be at least 3 credits each. See pages 44-45 for approved courses.*

ASSOCIATE OF ARTS / OREGON TRANSFER DEGREE (AA/OT)

2017 - 2018 UCC PROGRAM ADVISING SHEET

Minimum 90 credits with a grade of "C" or higher needed to satisfy AAOT requirement— unless noted, courses offered at 3 credit hours each; a minimum of 25% of the program credits required must be earned through UCC and two terms of attendance must have occurred at UCC. ++ Courses identified that meet the REQUIRED 3 credits for UCC AAOT Cultural Literacy; * Courses with required pre-/co-requisites (check catalogue course description – many may be banner enforced)

Transfer Note: Check transfer school for admissions, foreign language & cultural literacy, and transfer program requirements

AREA 1: FOUNDATIONAL REQUIREMENTS – Required to complete AAOT – writing, speech, health & physical education and math:

___ WR 121 English Composition: Intro to Argument (4)* ___ SP 105, 111 (4), 112, 218++, or 219: Speech
___ WR 122 English Composition: Style and Argument (4)* OR ___ WR 227 Technical Report Writing (4)* ___ HPE 295: Wellness & Health
(Note: WR115 may count toward elective credits but does not meet the foundational requirements) ___ MTH (105 level or above): Math (4)

AREA 2: ARTS & LETTERS – Complete three courses from two different disciplines from the following:

___ ART 101: Introduction to Visual Arts (4)++	___ ENG 260: Introduction to Women's Literature (4)	___ SP 111: Fundamentals of Public Speaking (4)
___ ART 120: Artists' Books++	___ ENG 288: Cultural Diversity – American Lit++ (4)	___ SP 112: Persuasive Speech
___ ART 134: Illustrating Nature	___ FA 256: American Film History (4)	___ SP 218: Interpersonal Communication++
___ ART 204, 205, 206: History of Western Art I, II, III (4)++	___ Language 201, 202, 203: GER, SPAN++, FR++ (4)	___ SP 219: Small Group Discussion
___ ART 210: Women in Art++	___ J 205: Intro to Public Relations	___ SP 237: Gender Communication++
___ ART 216: Intro to History of Photography	___ J 215: Journalism Production	___ Theater: One 3-credit theatre art #100 & above
___ ART 217: Comics and American Culture++	___ J 251: Writing for the Media	___ TA 256: Musical Theatre Workshop
___ ART: One 3-credit studio art # 100 & above	___ MUS 105: History of Rock Music	___ TA 257: Musical Theatre Dance
___ ENG 104, 105, 106: Introduction to Literature++ (4)	___ MUS 161: Jazz Improvisation	___ TA 261: Intro to Costume Design
___ ENG 107, 108, 109: World Literature (4)	___ MUS 201, 202, 203: Intro to Music and Its Literature	___ TA 271: Introduction to Theatre (4)
___ ENG 201, 202: Shakespeare (4)	___ MUS 204: Music of the World	___ WR 241: Creative Writing – Short Fiction (4)*
___ ENG 204, 205, 206: Survey of English Literature (4)	___ MUS 205: Introduction to Jazz History	___ WR 241: Creative Writing – Poetry (4)*
___ ENG 230: Environmental Literature ++ (4)	___ PHL 201, 202, 203: Introduction to Philosophy	___ WR 243: Creative Writing – Mixed Genre (4)*
___ ENG 250: Intro to Mythology (4)	___ R 201, 202, 203: World Religion	___ WS101: Intro to Gender & Women's Studies++ (4)
___ ENG 253, 254, 255: Survey of American Literature++ (4)	___ SP 105: Listening	

AREA 3: SCIENCE/MATH/COMPUTER SCIENCE – Complete four courses from two disciplines, three must include a lab. From the following:

Area 3 Courses WITH Labs:

___ ATS 201: Climate Science (4)*	___ FOR 241: Dendrology (4)
___ BI 101, 102, 103: General Biology (4)	___ G 146: Rocks & Minerals (4)
___ BI 101A: Ecology of Baja Peninsula (4)	___ G 180: Regional Field Geology (4)
___ BI 110: Wildlife Biology on Safari (4)	___ G 201, 202, 203: General Geology (4)
___ BI 211, 212, 213: Principles of Biology (5)*	___ G 213: Geology of National Parks
___ BI 231, 232, 233: Human Anatomy & Physiology (4)*	___ G 221: Environmental Geology (4)
___ BI 234: Introduction to Microbiology (4)*	___ GIS 203: Digital Earth and Geospatial Concepts (4)
___ BOT 203: General Field Botany (4)	___ GIS 234: GIS 1 Introduction to Geographic Information Systems (4)
___ BOT 204: Flowering Plants of SW OR/NO. CA (4)	___ GIS 235: GIS II Data Analysis and Applications (4)
___ CH 104, 105, 106: Introduction to Chemistry (4)*	___ GS 104, 105, 106: Physical Science (4)*
___ CH 112: Fundamentals of Chemistry (5)*	___ GS 107: Beginning Astronomy (4)
___ CH 221, 222, 223: General Chemistry (5)*	___ GS 112: Making Sense of Science (4)
___ CH 241, 242, 243: Organic Chemistry (4)*	___ NR 221: Water Resource Science (4)
___ FOR 234: GIS 1 Introduction to Geographic Information Systems (4)	___ NR 240: Forest Biology (4)*
___ FOR 235: GIS II Data Analysis and Applications (4)	___ NR 241: Dendrology (4)*
___ FOR 240: Forest Biology (4)	___ NR 242: Ecosystems of SW OR/NO. CA (4)*

___ PE 135: Anatomy & Physiology for Fitness (4)
___ PH 201, 202, 203: General Physics (5)*
___ PH 211, 212, 213: General Physics with Calculus (5)*
___ SOIL 205, 206: Soil Science (4) – must be taken together to meet Science Lab requirement
___ SUR 209: Photogrammetry and Intro to Remote Sensing (4)*

*Area 3 Courses WITHOUT Labs:

___ BI 222: Intro to Genetics*
___ CS 160: Intro to Computer Science (4)*
___ CS 161: Computer Science I (4)*
___ CS 162: Computer Science II (4)*
___ CS 260: Data Structures (4)*
___ CS 271: Computer Architecture (4)*
___ ENGR 111: Engineering Orientation*
___ ENGR 112: Problem Solving and Technology*
___ ENGR 201, 202: Electrical Fundamentals (4)
___ ENGR 203: Electrical Fundamentals – Signals and Controls (4)*

APPROVED DISCIPLINE STUDIES LISTINGS

Arts and Letters

ART 101*	Introduction to Visual Arts 4
ART 120*	Artists' Books 3
ART 134	Illustrating Nature (3)
ART 204*, 205, 206	History of Western Art I, II, III (4,4,4)
ART 210*	Women in Art (3)
ART 216*	Introduction to the History of Photography (4)
ART 217*	Comics in American Culture (4)
ENG 104*,105*,106*	Intro to Literature (4, 4, 4)
ENG 107, 108	World Literature (4, 4)
ENG 109*	World Literature (4)
ENG 201, 202	Shakespeare (4,4)
ENG 204, 205, 206	Survey of English Literature (4, 4, 4)
ENG 230*	Environmental Literature (4)
ENG 250	Intro to Mythology (4)
ENG 253*, 254*, 255*	Survey of American Lit. (4, 4, 4)
ENG 260	Intro to Women's Literature (4)
ENG 288*	Cultural Diversity in Contemporary American Literature (4)
FA 256	American Film History (4)
FR 201*, 202*, 203*	Second-Year French (4, 4, 4)
GER 201, 202, 203	Second-Year German (4, 4, 4)
J 205	Introduction to Public Relations (3)
J 215	Journalism Production (3)
J 251	Writing for the Media (3)
MUS 105	History of Rock (3)
MUS 161	Jazz Improvisation (3)
MUS 201, 202, 203	Intro to Music & Its Literature (3, 3, 3)
MUS 204	Music of the World (3)
MUS 205	Intro to Jazz History (3)
PHL 201, 202, 203	Intro to Philosophy (3, 3, 3)
R 201, 202, 203	World Religions (3, 3, 3)
SPAN 201*, 202*, 203*	Second-Year Spanish (4, 4, 4)
SP 105	Listening (3)
SP 111	Fundamentals-Public Speaking (4)
SP 112	Persuasive Speech (3)
SP 218*	Interpersonal Communication (3)
SP 219	Small Group Discussion (3)
SP 237*	Gender Communication (3)
TA 256	Musical Theatre Workshop (3)
TA 257	Musical Theatre Dance (3)
TA 261	Intro to Costume Design (3)
TA 271	Introduction to Theatre (4)
WR 241, 242, 243	Creative Writing (4, 4, 4)
WS 101*	Introduction to Women's Studies (4)

ART: One 3-credit course in studio arts numbered 100 or above. (ART 221*)

THEATRE: One 3-credit course in theatre arts numbered 100 or above.

* meets AA/OT Cultural Literacy Requirement

Science / Math / Computer Science

ATS 201	Climate Science (4)
BI 101,102,103	General Biology (4, 4, 4)
BI 101A	Ecology of Baja Peninsula (4)
BI 110	Wildlife Biology on Safari (4)
BI 211, 212, 213	Principles of Biology (5, 5, 5)
BI 222	Genetics (3)
BI 231, 232, 233	Anatomy & Physiology (4, 4, 4)
BI 234	Introductory Microbiology (4)
BOT 203	General (Field) Botany (4)
BOT 204	Flowering Plants of Southern Oregon-Northern California
CH 104,105,106	Introduction to Chemistry (4, 4, 4)
CH 112	Fundamentals of Chemistry (5)
CH 221, 222, 223	General Chemistry (5, 5, 5)
CH 241, 242, 243	Organic Chemistry (4, 4, 4)
CS XXX	Computer Science
ENGR 111	Engineering Orientation (3)
ENGR 112	Problem Solving and Technology (3)
ENGR 201	Electrical Fundamentals (4)
ENGR 202	Electrical Fundamentals II (4)
ENGR 203	Electrical Fundamentals - Signals and Controls (4)
ENGR 211	Statics (4)
ENGR 212	Dynamics (4)
ENGR 213	Strength of Materials (4)
FN 225	Human Nutrition (4)
FOR 111	Introduction to Forestry (3)
FOR 141	Tree and Shrub Identification (3)
FOR 234	GIS I Introduction to Geographic Information Systems (3)
FOR 240	Forest Biology (4)
FOR 261	Recreation Resource Management (4)
G 140	Volcanoes, Earthquakes and other Geologic Disasters (3)
G 145	Geology of the Pacific Northwest (3)
G 146	Rocks and Minerals (4)
G 180	Regional Field Geology (4)
G 201, 202, 203	General Geology (4, 4, 4)
G 213	Geology of the National Parks (3)
G 221	Environmental Geology (4)
GIS 203	Digital Earth and Geospatial Concepts (4)
GIS 234	GIS I Intro to Geographic Information Systems (3)
GIS 235	GIS II Data Analysis and Application
GS 104, 105, 106	Physical Science (4, 4, 4)
GS 107	Beginning Astronomy (4)
GS 112	Making Sense of Science (4)
GS 113	Intro to Geology (3)
GS 147	Intro to Oceanography (3)
MTH 105	Math in Society (4)
MTH 111	College Algebra (5)
MTH 112	Elementary Functions (4)
MTH 211, 212, 213	Fundamentals of Elementary Math I, II, III (4, 4, 4)
MTH 231	Elements of Discrete Math I (4)

APPROVED DISCIPLINE STUDIES LISTINGS

Science / Math / Computer Science, *continued*

MTH 241, 242	Calculus for Management & Social Science I, II (4, 4)
MTH 243	Introduction to Probability & Statistics (5)
MTH 251, 252, 253	Calculus I, II, III (5, 4, 4)
MTH 254	Vector Calculus I (4)
MTH 256	Differential Equations (4)
MTH 265	Statistics for Scientists and Engineers
NR 141	Tree and Shrub Identification (3)
NR 201	Introduction to Natural Resources (3)
NR 221	Water Resource Science (4)
NR 240	Forest Biology (3)
NR 241	Dendrology (4)
NR 242	Ecosystems of SW OR/No CA (4)
NR 243	Historical Ecology of Pacific NW (3)
NR 251	Principles of Fish and Wildlife Conservation (3)
NR 261	Recreation Resource Management (4)
NR 255	Field Sampling of Fish and Wildlife (3)
NR 295	Environmental Dispute Resolution (3)
PE 135	Anatomy & Physiology for Fitness (4)
PH 201, 202, 203	General Physics (5, 5, 5)
PH 211, 212, 213	General Physics w/Calculus (5, 5, 5)
SOIL 205	Soil Science (3)
SOIL 206	Soil Science Lab (1)
SUR 209	Photogrammetry and Intro to Remote Sensing (4)

Social Sciences

ANTH 150	Intro to Archaeology (3)
ANTH 165	Anthropology of Sex
ANTH 221*, 222*, 223*	Cultural Anthropology (3, 3, 3)
CJ 101	Introduction to Criminology (3)
CJ 110	Introduction to Law Enforcement (3)

Career & Technical

APR XXX	Apprenticeship
AUT XXX	Automotive
BA 116	Principles of Financial Services
BA 128	Accounting Applications I
BA 129-	Accounting Applications II
BA 130	Accounting Applications III
BA 150	Developing a Small Business
BA 151	Practical Accounting I
BA 152	Practical Accounting II
BA 160	Accounting for Managers
BA 165	Customer Service
BA 177	Payroll Accounting
BA 180	Business Mathematics I
BA 181	Business Mathematics II
BA 215	Cost Accounting
BA 228	Computerized Accounting Systems I
BA 229	Computerized Accounting Systems II

BA 230	Computerized Accounting Systems III
BA 235	Intermediate Accounting I
BA 236	Intermediate Accounting II
BA 237	Intermediate Accounting III
BA 240	Introduction to Auditing
BA 256	Tax Accounting I
BA 257	Tax Accounting II
CIS XXX	Computer Information Systems (except CIS 120)
CWE XXX	Cooperative Work Experience
CJ 100X	Law Enforcement Skills Training
CA XXX	Culinary Arts
DA XXX	Dental Assisting
DRF XXX	Drafting Technology
ED 104	ECE Seminar & Practicum IV
ED 105	ECE Seminar & Practicum V
ED 106	ECE Seminar & Practicum VI

Social Sciences, *continued*

CJ 114*	Cultural Diversity Issues in Criminal Justice (3)
CJ 130	Introduction to Corrections (3)
CJ 275	Comparative Criminal Justice Systems (3)
ECON 201, 202, 203	Economics (3, 3, 3)
ED 121, 122, 123	Leadership Development (3, 3, 3)
GIS 203	Digital Earth and Geospatial Concepts
GIS 234	GIS I Introduction to Geographic Information Systems
GIS 235	GIS II Data Analysis and Applications
HD 208	Career/Life Planning (3)
HDFS 201	Individual & Family Development (3)
HDFS 225	Child Development (3)
HDFS 240	Contemporary American Family (3)
HS 100	Introduction to Human Services (3)
HS 154	Community Resources (3)
HST 104*, 105*, 106*	World History (3, 3, 3)
HST 201*, 202*, 203*	History of United States (3, 3, 3)
J 211*	Introduction to Mass Communication (3)
NR 295	Environmental Dispute Resolution (3)
PS 201*, 202*, 203	U.S. Government (3, 3, 3)
PS 205	International Relations (3)
PSY 101	Psychology of Human Relations (3)
PSY 201*, 202*, 203*	General Psychology (3, 3, 3)
PSY 239	Abnormal Psychology (3)
SOC 204*, 205*, 206	Introduction to Sociology (3, 3, 3)
SOC 207	Juvenile Delinquency (3)
SOC 213*	Race, Class, & Ethnicity (3)
SOC 225	Social Aspects of Addiction (3)
SOC 240	Sociology of Work and Leisure (3)
WS 101*	Introduction to Women's Studies (4)

* meets AA/OT Cultural Literacy Requirement

EMS XXX	Emergency Medical Services
ES XXX	Emergency Services
FRP XXX	Fire Protection Technology
LA XXX	Paralegal Studies
MED XXX	Medical Office
MFG XXX	Machine Manufacturing Technology
NRS XXX	Registered Nursing
OA XXX	Office Assistant
PN XXX	Practical Nursing
SDP XXX	Supervision
TTEN XXX	Automotive T-TEN
TTL XXX	Truck Driving
VC XXX	Visual Communications
VE XXX	Viticulture & Enology
WLD XXX	Welding
WQT XXX	Water Quality Treatment
XXX 280X	Cooperative Work Experience

TRANSFER PROGRAMS

All transfer students should work closely with UCC advisors and faculty and representatives of the school(s) to which they may transfer. There may be special requirements for specific programs or schools.

ANTHROPOLOGY

Majors in anthropology are offered at UO, OSU, and PSU. A combined anthropology-sociology major is offered at EOU and SOU.

ART

Art Education, Art History, Pre-Architecture, Studio Art

The UCC Fine and Performing Arts Department offers a comprehensive two-year course of study in Fine Arts. Classes in drawing, painting, printmaking, basic design, ceramics, and sculpture provide students with a variety of foundation-level studio opportunities. Additional classes in art history and professional practices help prepare students for advanced studies at the university level and other artist opportunities, such as fellowships and internships. All Fine Arts faculty have degrees in the arts, and are practicing professional artists who bring a broad range of world experiences to their classrooms and studios.

Majors in art, art education, art history (or some combination) are offered at UO, OSU, PSU, EOU, WOU, and SOU. UCC offers coursework approved for transfer to these public institutions, Pacific Northwest College of Art and the Oregon College of Arts and Crafts, and other private colleges and universities. PSU and UO offer undergraduate programs in Architecture.

Students wishing to complete degrees in any art-based field should consult with the Fine Arts advisor and representatives of the schools to which they may transfer for assistance in planning their course of study at UCC. B.A., B.F.A. and B.Arch requirements can be stringent; a plan will assist students in completing their studies in a timely manner.

BIOLOGY

Majors in biology and specialized fields within this broad discipline are offered at OSU, UO, PSU, WOU, EOU, and SOU. UCC offers coursework approved for transfer to these institutions.

BUSINESS ADMINISTRATION

A business major will help prepare students for interesting and challenging roles and opportunities in the business field. Students will acquire skills in marketing, management, accounting, human relations, and more. Students interested in pursuing a higher-level degree in the business administrative field can transfer to any number of institutions: including OSU, UO, PSU, WOU, EOU, and SOU.

Students planning to transfer should work closely with UCC faculty and advisors, as well as representatives from the receiving college or university in order to ensure they are meeting all of the specific requirements for their programs or schools.

Students interested in transferring to SOU should review the Associate of Science Degree Articulated with Southern Oregon University - see page 52.

CHEMISTRY

Majors in chemistry are offered at UO, OSU, PSU, SOU and EOU. UCC offers programs of study which are approved for transfer to these institutions. Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

COMMUNICATION STUDIES

Journalism, Public Relations, Speech Communications, Certificates

Oregon universities vary greatly in transfer requirements for Communication Studies and Journalism programs. Students must consult the UCC Advising and Career Center, their advisor and their transfer school as early as possible. Most Bachelor of Arts degrees require a second year of world languages; Bachelor of Science degrees require additional math. Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

COMPUTER SCIENCE

Computer science is the study of programs, data, computing machinery, and how these interact. The computer science program offered at UCC is mathematically-based.

Majors in computer science are offered at UO, OSU, PSU, WOU, and SOU. However, it should be noted that the curriculum does vary at the above schools. You should consult your UCC faculty advisor before your first term at UCC.

CRIMINAL JUSTICE

Associate of Science Degree Articulated with Southern Oregon University - see page 56

EARLY CHILDHOOD DEVELOPMENT

Associate of Science Degree Articulated with Southern Oregon University - see page 58

EDUCATION

Elementary and Secondary

There are many different educational programs available to prospective elementary and secondary teachers at Oregon universities and colleges. Some incorporate the teaching licensure within a baccalaureate program, and some within a master's program. In secondary education, students are advised to decide what subject matter they plan to teach, and take classes as if that subject were their major. Students should work closely with UCC advisors and representatives of the intended transfer institution(s) to plan their coursework at UCC.

All prospective teachers are urged to take ED 100, which is a teaching practicum. This will help students verify that teaching is a good career choice for them. In addition, students are urged to choose the baccalaureate school program early, and then align coursework at UCC to work best with those requirements. UCC offers several education courses that will transfer into teacher licensure programs. Secondary Education students are urged to work closely with advisors both at UCC and the "target" school in planning classes at UCC. To research Teacher Education programs in Oregon by internet: go to <http://tinyurl.com/zvrfk8w>

TRANSFER PROGRAMS

ENGINEERING

Associate of Science Degree - see page 60

ENGLISH

Through reading, discussing, researching, and writing about literature, English majors develop skills that are prized in the professional world: the ability to communicate effectively; to research, analyze, and interpret complex information; to write clear, strong, reasonable arguments; to understand human behavior and the complex issues that surround diversity; to view situations from a variety of perspectives; and to creatively solve problems. Although English majors study nonfiction works such as letters, journals, autobiographies, and essays, they focus primarily on creative works such as poetry, short stories, plays, and novels.

While the most obvious careers for English majors include the fields of teaching, writing, and editing, the degree is remarkably versatile, opening doors into a variety of graduate programs, including law and library science. An English degree also opens doors into business management, public relations, publishing, journalism, advertising, sales, and many other fields.

English majors are offered at UO, OSU, EOU, PSU, WOU, and SOU, and most other colleges and universities across the United States offer degrees in English. UCC offers coursework approved for transfer to these institutions. Students should work with their UCC faculty advisor about any special requirements of the college or university to which they will transfer.

GEOLOGY

Earth Science programs provide a wide variety of employment opportunities, usually available after receiving a bachelor's, master's or doctoral degree. Employment in the mining and petroleum industries continues to expand rapidly, offering exciting opportunities for employment worldwide. Additional private industries hiring geologists include environmental remediation, engineering firms and geological consulting firms. Other strong areas of employment in the earth sciences include state and federal government agencies such as geologic surveys, oceanographic and space agencies, as well as state and national parks and monuments. Research and teaching institutions such as museums, colleges, and universities also employ a variety of earth science specialists. There is also a need for primary and secondary school educators with earth

science backgrounds. Numerous non-traditional careers in earth sciences can be explored, including such areas as forensic science, science journalism, and environmental law.

Majors in geology and/or Earth Science are offered at UO, OSU, PSU, and WOU. UCC offers coursework approved for transfer to these institutions. Students should consult with their UCC faculty advisor and a representative of the college or university to which they will transfer for any special requirements.

HEALTH, HEALTH EDUCATION, HEALTH CARE ADMINISTRATION

Majors in the health area are offered at UO, OSU, PSU and WOU. UO offers majors in community health, gerontology, traffic safety, school health, and comprehensive health. OSU offers majors in community health, environmental health, industrial hygiene, school health and safety, health care administration, and safety studies. PSU offers majors in health, health education, and community health. WOU offers a major in health education.

HISTORY

The history major is offered at public colleges and universities in Oregon, and at most private colleges in the state. UCC offers coursework approved for transfer to these institutions. Careers for students of history include work in teaching (high school, college, and university), in museums, in editing and publishing, in archives, in historic preservation, and in federal, state, and local governmental agencies and organizations.

Students planning to transfer in history should work closely with UCC advisors and representatives from the school(s) to which they may transfer. There may be special requirements for specific programs or schools.

HUMAN SERVICES

The UCC Human Services transfer program prepares students to study for a Bachelor of Science (BS) or Bachelor of Arts (BA) in Family and Human Services (FHS) at the University of Oregon, Department of Counseling, Psychology and Human Services. University of Oregon FHS program graduates are directly employable as case managers, youth outreach workers, family support workers, and residential counselors. In addition, students can transfer to Portland State University which offers a Bachelor in Social Work.

For Associate of Science Degree Articulated with Southern Oregon University - see page 70

INTERNATIONAL STUDIES

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for programs or schools.

International Studies includes such specialized areas as government service, education, humanitarian aid, international law, international business and peace studies. The student's program choices should be relevant to his/her intended career. It is highly encouraged that the International Studies major should include two full years of the language of your choice. Suggested language courses are French and Spanish 100 and 200 level sequences. Students should consult with their UCC faculty advisor and a representative of the college or university to which they will transfer for any special requirements.

MATHEMATICS

Majors in mathematics are offered at all seven Oregon public university campuses and most independent colleges and universities. UCC offers a program of study for students who plan to transfer to a 4-year institution to complete a bachelor's degree in mathematics. Courses are also offered to help students prepare to teach mathematics at the elementary or high school level.

Students interested in transferring should consult with UCC's math faculty and college advisors for help in planning a transfer curriculum. In addition, students should work closely with a representative from the institution(s) to which they may transfer.

MEDICAL IMAGING TECHNOLOGY

The UCC Medical Imaging transfer program prepares students for a Bachelor of Science Degree in Diagnostic Medical Sonography, Echocardiography, Nuclear Medicine Technology, Radiologic Science and Vascular Technology at Oregon Tech. Students transferring from UCC to OIT will be given full credit for all articulated courses.

Students must complete a minimum of 60 credits of upper-division work (300- and 400- level classes taken at a 4-year

TRANSFER PROGRAMS

institution) before a degree will be awarded - a minimum of 45 of these credits must be taken at OIT.

Students may guarantee program requirements by obtaining written approval from their OIT major department and the Registrar, based on the catalog the student uses when he/she transfers to OIT.

MEDICAL TECHNOLOGY

Medical Technology programs are available at Oregon Health Sciences University. For the OHSU program you may complete the first year at UCC, then transfer to any college or university providing pre-medical technology education. A three-year program is required prior to application for admission to the UO Medical School, which offers the fourth year.

MUSIC

Associate of Science Degree Articulated with Southern Oregon University - see page 72

MUSIC STUDIES

The UCC Fine and Performing Arts Department offers a comprehensive two-year Music Studies program for vocal and instrumental students. It is approved for transfer to the University of Oregon School of Music, Southern Oregon University, Western Oregon University, and to liberal arts and education programs at most four-year colleges and universities. The coursework in Music Studies at UCC includes two (2) years of music theory and ear training, private lessons, and music literature. UCC award-winning performance groups include choir, band and orchestra, with groups specializing in both jazz and classical music. Additional classes are offered in jazz improvisation, music technology, jazz history, rock history, and world music.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

MUSIC: ENTERTAINMENT TECHNOLOGY

Entertainment Technology prepares graduates for careers in the entertainment industry as lighting and sound technicians, recording engineers, theater and auditorium managers, talent

agents, and equipment marketing representatives. Additional career options include film, radio, and television production, casino and theme park operations, music publishing, and all related performing arts production and management.

The program can be easily integrated with AA/OT requirements, and details are available at the UCC Music Department, Advising Center, and <http://www.umpqua.edu/music>. Students planning to transfer in entertainment technology should work closely with UCC faculty and advisors and representatives from the school(s) to which they may transfer.

NATURAL RESOURCES

This program prepares students for jobs in conservation science, wildlife biology, fisheries science, botany, forestry, watershed management and other fields related to natural resource science and conservation. Our Associate of Science degree in Natural Resources provides a foundation for <http://nr.forestry.oregonstate.edu/> " " _blank OSU's Bachelor of Science degree in Natural Resources. After completing our Natural Resources AS, all of the remaining classes needed to fulfill OSU's Bachelor's degree requirements can be taken at UCC and through OSU's online Ecampus, making it possible to earn your BS in Natural Resources without relocating to Corvallis. See page 74 for more details, or visit <https://www.umpqua.edu/natural-resources> or <http://tinyurl.com/pfy2er> for OSU Ecampus information.

OUTDOOR RECREATION

The Outdoor Recreation program is designed to prepare students for careers in the growing fields of outdoor adventure, outdoor programming, outdoor and experiential education and the application of outdoor recreation.

Douglas County is a perfectly suited environment for this type of program. After completing the two-year degree requirements, students are encouraged to continue their education at either: Oregon State University Cascades (Bend) Campus, University of Idaho in Moscow, Eastern Washington University in Cheney, Humboldt State University in Arcata, CA, or Northern Arizona University in Flagstaff.

There are many career opportunities for outdoor recreation majors, including: tourism and leisure services (hostels, hotels, restaurants, resorts, guiding), municipal recreation (city and

school-based recreation programs); therapeutic recreation for special populations, and outdoor and adventure occupations. Students planning to transfer in Outdoor Recreation should work closely with UCC advisors and representatives from the school(s) to which they may transfer. There may be special requirements for specific programs or schools.

PHILOSOPHY

Majors in Philosophy are offered at UO, OSU, and PSU. UCC offers coursework approved for transfer to these institutions. Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

PHYSICS

The Physics major is available at UO, OSU, PSU, EOU, WOU and SOU. Programs of study offered at UCC are approved for transfer to these institutions.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools. Well-prepared entering students may take the following courses and then transfer upon completion of the first year.

POLITICAL SCIENCE

Political Science major programs are offered at UO, OSU, PSU, WOU, and SOU. Transfer programs at UCC are approved to meet lower division requirements at these institutions. A bachelor's degree and advanced degrees in political science can lead to careers in federal, state, or local government. The analytical and communications skills gained in the study of political science also lead many political science majors to pursue law degrees, careers in business, political party staffing and campaigning, journalism, and management.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

TRANSFER PROGRAMS

PRE-LAW

Most law schools (including UO) require a bachelor's degree as prerequisite for admission. They are not concerned about the applicant's major, but wish to see evidence of intellectual maturation. Therefore, most require that no more than ten% of the applicant's pre-legal education consist of "activity" courses of a "non-theoretical" nature. Keen analytical capabilities and well-developed writing skills are emphasized. Courses such as PS 201 and 202 relating to U.S. Government institutions, including courts and the law, can help the student to comprehend the role of law in American society and can provide the student with an opportunity to analyze real-life court decisions.

In selecting a pre-law major, students should consider the area to be selected for law practice: government, business and corporate, sciences, criminal justice, publishing, domestic relations, etc. Admission to law schools is based on academic achievement, employment experience, extra-curricular activities, and performance on the Law School Admission Test (LSAT).

Students should follow the transfer curriculum for the field of study and college or university in which they plan to complete the baccalaureate degree. After transfer, consult with the institution's pre-law advisor to plan upper division coursework.

PRE-PROFESSIONAL HEALTH CARE

Pre-Professional: Dentistry, Medical Technology, Medicine, Optometry, Pharmacy, Physical Therapy, Veterinary Medicine

Each course of study is designed to allow students to complete the first two years of a four-year pre-professional program at UCC. The students will then complete the remaining pre-professional prerequisites at a four-year college or university. The majority of students apply to the professional schools after earning a Bachelor's degree. The course work completed at UCC is applied towards a Bachelor's degree in a related field.

The first two years of course work includes prerequisites in mathematics, the sciences (such as chemistry and physics), the humanities and social sciences. Admission to most professional schools is highly competitive, and there are

only a few such programs available within the state of Oregon. Students completing one of these professional programs can expect to earn an excellent salary. Employment in these fields is expected to grow at faster rates than the average of other occupations.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

PSYCHOLOGY

Psychology majors are available at UO, OSU, PSU, EOU, WOU and SOU. UCC provides a transfer program for psychology which has been approved by these institutions.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

RESPIRATORY CARE

The UCC Respiratory Care transfer program prepares students for a Bachelor of Science Degree at OIT. Students transferring from UCC to OIT will be given full credit for all articulated courses.

Students must complete a minimum of 60 credits of upper-division work (300- and 400- level classes taken at a 4-year institution) before a degree will be awarded — a minimum of 45 of these credits must be taken at OIT.

Students may guarantee program requirements by obtaining written approval from their OIT major department and the Registrar, based on the catalog the student uses when he/she transfers to OIT.

SOCIOLOGY/SOCIAL WORK

A Bachelor's degree in Sociology is offered at UO, OSU, PSU, EOU, and SOU. UCC provides a transfer program for sociology which has been approved by these institutions.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

SURVEYING AND GEOMATICS

Associate of Science Degree - see page 76

THEATRE ARTS

Theatre Arts students at UCC receive current, applicable training to competitively contribute as individually unique artists. Studies in acting and performance, design, and technical crafts are available. Quarterly shows offer opportunities for participants of all levels. Students generally take a range of acting and design classes to transfer timely to a university and complete a BA or BFA degree. In addition, students work on the shows in various positions to gain experience that prepares them for internships and jobs in their specific fields. More information is available at www.umpqua.edu/theatre.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be specific requirements for specific programs or schools.

WORLD LANGUAGES

World languages introduce students to the larger global community and allow them to communicate effectively in the larger arena by mastering the four major language skills: listening, speaking, reading, and writing. The study of a World Language strengthens and reinforces critical thinking and fosters patience and perseverance — valuable skills in today's workplace.

Students studying world languages enhance their career possibilities, often combining World Languages with other career fields such as Business, International Relations, Journalism, Law, Medicine, and Tourism. In today's global market, "bilingual" on a resume page is a ticket to a brilliant future!

Majors in a World Language are offered at UO, OSU, PSU, SOU, EOU, and WOU. UCC offers coursework approved for transfer to these institutions. The UCC World Language Department offers students the opportunity to study abroad through an immersion experience.

Students planning to transfer should work closely with UCC faculty and advisors, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

AGRICULTURAL BUSINESS MANAGEMENT

ASSOCIATE OF SCIENCE – MINIMUM 92 CREDITS

CAREER DESCRIPTION

The agricultural business management degree is designed to help a farm or ranch manager succeed in today's complex business environment where sound business management skills are as important as agriculture production knowledge. Career paths for students completing a four-year degree in Agricultural Business Management include: agricultural program manager, marketing coordinator, agricultural produce broker, investment banker, trade analyst, commodities broker, economic analyst, and compliance analyst.

The Associate of Science degree (Agricultural Business Management) has been developed with the cooperation and support of Oregon State University College of Agricultural Sciences Applied Economics Department. The degree is designed to assist students planning to transfer to Oregon State University or another four-year institution with an Agricultural Business Program. Students should contact the OSU College of Agricultural Sciences early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program.

Students planning to transfer to an institution other than OSU should contact that school early in their first year to determine specific requirements of that institution.

PROGRAM OUTCOMES

Learning outcomes are based on the acquisition of skills and abilities, achievement of knowledge, and refinement of attitudes and values. Students who successfully complete an Associate of Science degree with an emphasis in Agricultural Business Management will:

1. Communicate effectively using oral and written skills
2. Use appropriate current technology such as computers and the internet
3. Understand basic business terminology
4. Exhibit critical thinking and decision making skills
5. Explain microeconomic theory at the basic level
6. Explain macroeconomic theory at the basic level
7. Perform basic algebra and calculus calculations
8. Analyze and evaluate agribusiness problems and management decisions on a basic level

Students who complete a four-year degree at OSU are expected to:

1. Explain microeconomic theory at the intermediate level
2. Analyze and evaluate agribusiness problems and management decisions using business software
3. Utilize and apply statistical methods to analyze commodity markets and economic data
4. Formulate marketing plans and strategies for both generic commodities and specialized products
5. Explain how external forces such as law, environmental regulations, and government policies impact agribusiness decision making

ACCEPTANCE REQUIREMENTS

Students are required to take the college placement test to determine skill level and readiness indicated by test scores. As part of the program, students must begin with the courses within their skill level as determined by the placement scores. In addition, students may also be required to enroll in classes that would increase their employability and success.

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department Chair's approval. In order to ensure coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted towards course requirements.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum accumulated grade of C or better.

Students who graduate from high school or completed a high school equivalency program in 1997 or later must meet the second language requirement for admission to a four-year Oregon State college or university: 1) Two years of the same high school-level second language, or 2) two terms of a college-level second language with a grade of C or better.

ASSOCIATE OF SCIENCE — Agricultural Business Management

Minimum 92 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	* Introduction to Business BA 101 4 CR	* Discovering Agricultural & Resource Economics AEC 121 1 CR	* English Composition: Intro to Argument WR 121 4 CR	* College Algebra MTH 111 5 CR	CREDITS 14	
	Winter	* Computer Applications in Agriculture AG 111 3 CR	* English Composition: Style and Argument WR 122 4 CR	Literature and the Arts (choose 1 from ART, ENG, MUS) 3 CR	Biological Science (choose 1 from BI 101, 102, 103, must include lab) 4 CR	Elective 3 CR	CREDITS 17
	Spring	English Composition: Research WR 123 4 CR	Physical Science (choose 1 from BI or CH, must include lab) 4-5 CR	Fundamentals of Public Speaking SP 111 4 CR OR Persuasive Speech SP 112 3 CR	General Psychology PSY 201 3 CR		CREDITS 14-16
YEAR TWO	Fall	* Principles of Accounting BA 211 3 CR	* Management in Agriculture AEC 211 4 CR	* Economics (Micro) ECON 201 3 CR	General Chemistry (must include lab) CH 221 5 CR	Perspectives (choose 1 from ANTH 221, HST 104, 105, 106, 201, 202, 203) 3 CR	CREDITS 18
	Winter	* Principles of Accounting II BA 212 3 CR	* Marketing in Agriculture AEC 221 3 CR	* Economics (Macro) ECON 202 3 CR	Wellness & Health Assessment HPE 295 3 CR	Western Culture (choose 1 from HST 201, 202, 203) 3 CR	CREDITS 15
	Spring	Principles of Accounting III BA 213 3 CR	Perspectives (choose 1 from ART 204, 205, 206, ENG 253, 254, HST 104, 105, 106, 201, 202, 203, cannot duplicate another row) 3-4 CR	* Calculus for Management MTH 241 4 CR	Business Law BA 226 4 CR		CREDITS 14-15

NOTES

Scheduling requirements may prevent all courses from being offered every term. Make sure to consult with the program advisor if you need to deviate from the above schedule. Required courses are subject to change. Students should maintain contact with the program advisor to be notified of any change in program requirements.

Please see an advisor for a degree planning worksheet for this program.

*A grade of C or better must be attained in the courses indicated

BUSINESS ADMINISTRATION

ASSOCIATE OF SCIENCE: ARTICULATED WITH THE BUSINESS PROGRAM
AT SOUTHERN OREGON UNIVERSITY AND OREGON STATE UNIVERSITY – MINIMUM 90 CREDITS

DESCRIPTION

The Associate of Science degree (Business Administration) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU's Business program and allows students to transfer directly as juniors with no loss of credit in order to pursue a bachelor's degree in business.

Students should contact the School of Business at SOU early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program.

Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

PROGRAM OUTCOMES

This degree aligns with Southern Oregon's University's Undergraduate Business Majors. Program specific outcomes are available at <https://inside.sou.edu/business/undergrad-learning-outcomes.html>. Contact the UCC program advisor for additional information.

ACCEPTANCE REQUIREMENTS

Students are required to take the college placement test to determine skill level and readiness indicated by test scores. As part of the program, students must begin with the courses within their skill level as determined by the placement scores. In addition, students may also be required to enroll in classes that would increase their employability and success.

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department Chair's approval. In order to ensure coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted towards course requirements.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade of C or better.

Students who graduate from high school or completed a high school equivalency program in 1997 or later must meet the second language requirement for admission to a four-year Oregon state college or university: 1) Two years of the same high school-level second language, or 2) two terms of a college-level second language with a grade of C or better.

REQUIRED CURRICULUM

Writing and Oral Communication Skills (must earn C or better) Required Credits: 9

WR 121	English Composition: Intro to Argument	4
WR 122	English Composition: Style and Argument <i>OR</i>	4
WR 123	English Composition: Research	
SP 111	Fundamentals of Public Speaking <i>OR</i>	4
SP 218	Interpersonal Communication <i>OR</i>	3
SP 219	Small Group Discussion	3

Mathematics: Required Credits 8

MTH 243	Introduction to Probability & Statistics	5
Plus one MTH course from the following list:		
MTH 105	Math in Society	4
MTH 111	College Algebra	5
MTH 112	Elementary Functions	4

MTH 211	Fundamentals of Elementary Math I & II	4
& 212	(must take both)	
MATH 241	Calculus for Mgmt & Social Science I <i>OR</i>	4
MTH 251	Calculus I	

Humanities Exploration: Required Credits 9

Complete at least three Humanities courses from the University Transfer Guide.*

*To view the University Studies (General Education) courses.

Visit: www.sou.edu/admissions/transfers

Select: General Education Transfer Guides

Select: **Umpqua Community College** from the dropdown list

Social Science Exploration: Required Credits 10

ECON 201	Micro & Macro Economics	6
& 202		
BA 101	Introduction to Business	4

Science Exploration: Required Credits 11

Complete at least three Science courses from the University Studies Transfer Guide.*

Business Specific Requirements Required Credits 13

BA 211,	Principles of Accounting	9
212, & 213		
BA 226	Business Law	4

Electives Required Credits up to 30

Complete a sufficient number of transfer-level courses (numbered 100 and above) to meet the total degree requirement of at least 90 credits. A maximum of 12 professional/technical courses may be used towards this degree.

Total Program Credits: 90

RECOMMENDATIONS

It is recommended that students wait until the second year of their program at UCC to take the Principles of Accounting and Principles of Economics series. A business advisor should approve any deviation from this recommendation

ARTICULATION AGREEMENT

The articulation agreement for this program can be found at: <http://www.sou.edu/admissions/transfers/tr-artagree.html>.

ASSOCIATE OF SCIENCE — Business Administration

Minimum 90 Credits — Suggested Transfer Guide for SOU — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	English Composition: Intro to Argument WR 121 4 CR	Introduction to Business BA 101 4 CR	Elective 3 CR	* Humanities 3 CR	CREDITS 14	
	Winter	English Composition: Style and Argument <i>OR</i> WR 122 4 CR English Composition: Research WR 123 4 CR	College Algebra <i>OR</i> MTH 111 5 CR Math in Society MTH 105 4 CR	Fundamentals of Public Speaking SP 111 4 CR <i>OR</i> Interpersonal Communication SP 218 3 CR <i>OR</i> Small Group Discussion SP 219 3 CR	* Humanities 3 CR	CREDITS 14-16	
	Spring	Business Law BA 226 4 CR	Introduction to Probability and Statistics MTH 243 5 CR	Elective 3 CR	* Humanities 3 CR	CREDITS 15	
YEAR TWO	Fall	Economics ECON 201 3 CR	Principles of Accounting I BA 211 3 CR	* Science with lab 4 CR	Elective 3 CR	Elective 2 CR	CREDITS 15
	Winter	Economics ECON 202 3 CR	Principles of Accounting II BA 212 3 CR	* Science with lab 4 CR	Elective 3 CR	Elective 3 CR	CREDITS 16
	Spring	Elective 3 CR	Principles of Accounting III BA 213 3 CR	* Science with or without lab 3-4 CR	Elective 3 CR	Elective 3 CR	CREDITS 15-16

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program. OSU Advising guide is located on their website: oregonstate.edu/advising. Additional courses may be needed by OSU.

* See SOU General Education Transfer Guide
Visit: www.sou.edu/admissions/transfers
Select: General Education Transfer Guides
Select: Umpqua Community College from the drop-down menu

COMPUTER SCIENCE

ASSOCIATE OF SCIENCE – MINIMUM 92 CREDITS

CAREER DESCRIPTION

Computer Science (CS) is the study of programs, data, computing machinery, and how these interact. Majors in computer science are offered at OSU, PSU, SOU, UO, and WOU in Oregon. Please be aware that the core CS curriculum and major options vary at the above-listed schools. Consult with a UCC faculty advisor before beginning your first term at the UCC as a CS transfer major.

PROGRAM OUTCOMES

Students who successfully complete an Associate of Science degree with an emphasis in Computer Science will:

1. Acquire new information and adapt to changes in the computer technology field.
2. Apply a logical and systematic approach to solve problems.
3. Use written, oral, and visual interpersonal skills to communicate with individuals or small groups.
4. Design and implement computer software applications.
5. Develop an application for an N-tiered environment.
6. Evaluate and compare different algorithms applicable to a given task.
7. Apply theoretical foundations learned when developing software.
8. Use current database technologies to create and build database objects.

APPROVED ELECTIVES

CIS 125D	Computer Applications – Database	3
CIS 125S	Computer Applications – Spreadsheet Software	3
CIS 151C	Networking Essentials	4
CIS 240M	Installing and Configuring Microsoft Windows Server	4
CIS 275	Introduction to Database Management Systems I	4
CIS 276	Introduction to Database Management Systems II	4
CS 271	Computer Architecture & Assembly Language <i>(not UCC course)</i>	4
ENGR 201	Electrical Fundamentals I	4
ENGR 271	Digital Logic Design	3
ENGR 272	Digital Logic Design Lab	1
MTH 231	Elements of Discrete Mathematics I	4
MTH 253	Calculus III	4
MTH 254	Vector Calculus I	4
MTH 261	Linear Algebra	2
PE 102 or higher	Physical Education (exclude PE 199 or PE 299)	1-4
WR 122	English Composition: Style and Argument	4
WR 227	Technical Report Writing	4

ASSOCIATE OF SCIENCE — Computer Science

Minimum 92 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	* English Composition: Intro to Argument WR 121 4 CR	Social Sciences Elective <i>from Approved List, pp. 44-45</i> 3 CR	Elementary Functions MTH 112 4 CR	Orientation to Computer Science CS 160 4 CR	CREDITS 15	
	Winter	* English Composition: Style and Argument WR 122 4 CR <i>OR</i> Technical Report Writing WR 227 4 CR	Calculus I MTH 251 5 CR	Computer Science I CS 161 4 CR		CREDITS 13	
	Spring	Introduction to Database Management Systems I (recommended CS elective) CS 275 4 CR	Calculus II MTH 252 4 CR	Computer Science II CS 162 4 CR	** Arts & Letters Elective <i>from Approved List, pp. 44-45</i> 3 CR	CREDITS 15	
YEAR TWO	Fall	Wellness & Health Assessment HPE 295 3 CR	** Arts & Letters Elective <i>from Approved List, pp. 44-45</i> 3 CR	** Social Sciences Elective <i>from Approved List, pp. 44-45</i> 3 CR	General Physics w/Calculus PH 211 5 CR	Data Structures CS 260 4 CR	CREDITS 18
	Winter	Fundamentals of Public Speaking SP 111 4 CR	PE 102 (OR HIGHER) (recommended CS Elective) <i>from Approved List, pp. 44-45</i> 1-4 CR	General Physics w/Calculus PH 212 5 CR	** Social Sciences Elective <i>from Approved List, pp. 44-45</i> 3 CR	** Social Sciences Elective <i>from Approved List, pp. 44-45</i> 3 CR	CREDITS 16-19
	Spring	General Physics w/Calculus PH 213 5 CR	Computer Applications – Database (recommended CS Elective) CIS 125D 3 CR	Network Essentials (recommended CS Elective) CIS 151C 4 CR	** Arts & Letters Elective <i>from Approved List, pp. 44-45</i> 3 CR		CREDITS 15

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program.

*A grade of C or better must be attained in the courses indicated.

** One Arts & Letters Elective or Social Sciences Elective must meet Cultural Literacy requirement.

CRIMINAL JUSTICE

ASSOCIATE OF SCIENCE: ARTICULATED WITH THE CRIMINOLOGY AND CRIMINAL JUSTICE (CCJ) PROGRAM AT SOUTHERN OREGON UNIVERSITY – 90 CREDITS

CAREER DESCRIPTION

The Associate of Science degree (Criminal Justice) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU's Criminology and Criminal Justice program and allows students to transfer directly as juniors as pre-majors in CCJ. After passing CCJ 300 with a grade of B- or better and CCJ 298 with a "Pass" at SOU, they are admitted into the Department of Criminology and Criminal Justice at Southern Oregon University with no loss of credits to pursue a bachelor's degree. Students should contact the Department of Criminology and Criminal Justice at SOU early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

PROGRAM OUTCOMES

This degree aligns with the Criminology and Criminal Justice Department at Southern Oregon's University. Program specific outcomes are available at <https://inside.sou.edu/criminology/mission-1.html>. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade point of 2.0 and a grade of C or better in Writing 121, Writing 122, and the Speech class chosen to meet the Oral Communication requirement. Students who have graduated from high school or completed a high school equivalency program in 1997 or after must meet the Second Language requirement for admission to a four-year Oregon state

college or university (see page 36): 1) Two years of the same high school-level second language, or 2) two terms of a college-level second language with a grade of C or better (may be first-year second language which can be used as elective credits).

Note: SOU Criminology and Criminal Justice Graduation Requirements: Minimum GPA of 2.0 is required for graduation.

(Students interested in pursuing a Bachelors Degree related to Criminal Justice at other institutions should consider the AA/OT. The AA/OT degree can facilitate a student completing their lower division coursework before transferring to complete their degree [although the AA/OT may not satisfy all "program" requirements in the new setting]. Interested students should consult with the Criminal Justice Program Coordinator as well as Academic Advisors to maximize the Criminal Justice focus for their AA/OT degree).

REQUIRED CURRICULUM

Writing and Oral Communication Skills (Grade of C or better required) Required Credits: 9

WR 121	English Composition: Intro to Argument	4
WR 122	English Composition: Style and Argument <i>OR</i>	4
WR 123	English Composition: Research	
SP 111	Fundamentals of Public Speaking <i>OR</i>	4
SP 218	Interpersonal Communication <i>OR</i>	3
SP 219	Small Group Discussion	3

Mathematics: Required Credits 4

MTH 105	Math in Society	4
MTH 243	Introduction to Probability & Statistics	5

Note: The Bachelor of Science degree requires two courses (7 credits) of math or designated programming, statistics, or logic courses. Please see your academic advisor for details.

Humanities Exploration: Required Credits 9

Complete at least three Humanities courses from the SOU General Education Transfer Guide.***

NOTE: Students seeking to pursue a career in criminal justice at the federal level are encouraged to take at least two years of a World Language.

Social Science Exploration: Required Credits 9

CJ 101	Introduction to Criminology	3
CJ 120	Introduction to Judicial Process	3

Plus one additional Social Science course from the SOU General Education Transfer Guide.***

Science Exploration: Required Credits 9

Complete at least three Science courses from the SOU General Education Transfer Guide.***

At least two of the science courses must have labs.

Program Requirements for Criminology & Criminal Justice: Required Credits **9

CJ 101	Introduction to Criminology	**3
CJ 105	Concepts of Criminal Law	3
CJ 110	Introduction to Law Enforcement	3
CJ 120	Introduction to Judicial Process	**3
CJ 130	Introduction to Corrections	3

**NOTE: Of the 15 credits listed above, 6 credits (CJ 101& CJ 120) already count as Social Science credits, leaving 9 required program credits.

Electives: Required Credits 38-39

Complete a sufficient number of transfer-level courses (numbered 100 and above) to meet the total degree requirement of at least 90 credits. A maximum of 12 career/technical course credits may be used toward this degree.

Total Program Credits 90

*** <http://tinyurl.com/krmpn52>

*To view the SOU University Studies (General Education) courses, open the SOU General Education Transfer Guide <http://tinyurl.com/krmpn52>. Select: General Education Transfer Guide. Select: "Umpqua Community College" from the drop-down menu. If you cannot access a computer, please see your academic advisor for assistance.

ARTICULATION AGREEMENT

The articulation agreement for this program can be found at: <http://www.sou.edu/admissions/transfers/tr-artagree.html>.

ASSOCIATE OF SCIENCE — Criminal Justice

90 Credits — Suggested Transfer Guide for SOU — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	Introduction to Law Enforcement CJ 110 3 CR	** English Composition: Intro to Argument WR 121 4 CR	* Required Social Science 3 CR	Elective 3 CR	CREDITS 13
	Winter	Introduction to Judicial Process CJ 120 3 CR	** English Composition: Style and Argument WR 122 4 CR	** Fundamentals of Public Speaking SP 111 4 CR OR ** Interpersonal Communication SP 218 3 CR OR ** Small Group Discussion SP 219 3 CR	Elective 3 CR	Elective 2-3 CR CREDITS 15
	Spring	Introduction to Criminology CJ 101 3 CR	Introduction to Corrections CJ 130 3 CR	Elective 3 CR	Elective 3 CR	Elective 3 CR CREDITS 15
YEAR TWO	Fall	* Required Humanities 3 CR	* Required Science 4 CR	Concepts of Criminal Law CJ 105 3 CR	Elective 3 CR	Elective 3 CR CREDITS 16
	Winter	* Required Humanities 3 CR	* Required Science 4 CR	Math in Society MTH 105 4 CR	Elective 3 CR	Elective 2 CR CREDITS 16
	Spring	* Required Humanities 3 CR	* Required Science 3-4 CR	Elective 3 CR	Elective 3 CR	Elective 2-3 CR CREDITS 15

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program.

* See SOU General Education Transfer Guide.

** Grade C or better required.

For more information about the SOU Criminology & Criminal Justice Program, visit: www.sou.edu/criminology

EARLY CHILDHOOD DEVELOPMENT

ASSOCIATE OF SCIENCE: ARTICULATED WITH THE EARLY CHILDHOOD PROGRAM
AT SOUTHERN OREGON UNIVERSITY – MINIMUM 104 CREDITS

CAREER DESCRIPTION

The Associate of Science degree in Early Childhood Development has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU's Early Childhood Development (ECD) program and allows students to transfer directly as juniors and be able to being the ECD coursework at SOU with no loss of credits to pursue a bachelor's degree. The program offers an excellent balance of education and general education courses that support advanced study in the field of early childhood development.

Students should contact the SOU School of Education early in the second year of their AS program to be advised about additional requirements and procedures for admission to SOU. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

PROGRAM OUTCOMES

This degree aligns with Early Childhood Development Program at Southern Oregon's University. Program specific outcomes are available at <https://inside.sou.edu/education/ecd/index.html>. Contact the UCC program advisor for additional information.

ENTRY REQUIREMENTS

Students are required to take the college placement test(s) at UCC to determine skill level and readiness indicated by test scores. To help ensure student success, students must begin with the courses within their skill levels as determined by placement test scores (e.g. math, world languages if desired, etc.) In addition, students may also be required to enroll in classes that would increase their academic success.

In addition, students will be required to enroll in the Oregon Childcare Registry to complete the background history check, obtain a Food Handler's Certificate, First Aid and CPR card

and show proof of immunizations including MMR, in order to participate in the ECE Practicum and Seminar courses. Students will be required to document the meeting of ECE program outcomes through the development of an electronic portfolio. Portfolio submissions will begin during ED 101 and continue on to completion of certificates and degrees.

COURSE REQUIREMENTS

Complete up to 120 credits at UCC, followed by 60 Upper Division online credits through SOU (180 credits total). The UCC component consists of the following two requirements:

1. Complete the Associate of Science (AS) in Early Childhood Development Education at UCC (103 credits).
2. Satisfy all of the General Education Requirements described below.

The AS degree satisfies some General Education requirements. The remaining credits should be chosen to complete the requirements described below. Work closely with your academic advisor to plan your course schedule.

Writing and Oral Communication Skills		Minimum Credits: 11
WR 121	English Composition: Intro to Argument	4
WR 122	English Composition: Style and Argument	OR 4
WR 123	English Composition: Research	4
SP 111	Fundamentals of Public Speaking	OR 4
SP218	Interpersonal Communication	OR 3
SP219	Small Group Discussion	3

Mathematics (Gen Ed Quantitative Reasoning)		Minimum Credits: 8
MTH211&212 must both be completed to satisfy SOU's Quantitative Reasoning (math gen ed) requirement.		

Humanities Exploration		Minimum Credits: 9
Complete at least <u>three</u> Humanities courses from the <u>University Studies Transfer Guide*</u>		

Social Science Exploration		Minimum Credits: 9
Complete at least <u>three</u> Social Science courses from the <u>University Studies Transfer Guide*</u>		

Science Exploration Minimum Credits: 11
Complete at least three Science courses from the University Studies Transfer Guide*. At least two of the science courses must have labs.

*To view the University Studies (General Education) courses, open the University Studies Transfer Guide link. Select Umpqua Community College from the drop-down menu and view courses that satisfy each category. Alternately, you may follow these instructions:

Visit: www.sou.edu/admissions/transfers
Select: General Education Transfer Guides
Select: **Umpqua Community College** from the drop-down menu
— If you cannot access a computer, please see your academic advisor for assistance.

For more information about this program:
<http://sou.edu/education/ecd/>

Contacts

Gwen Soderberg-Chase, Early Childhood Education, UCC, 541-440-4648 Gwen.Soderberg-Chase@umpqua.edu

KC Sam, Early Childhood Development Southern Oregon University, 541-552-6936, samk@sou.edu or visit www.sou.edu/education/med

UCC-SOU Early Childhood Educ Articulation Agreement – Effective AY 2011-12 - Rev 6/10/11 Remains in effect until revised or terminated by UCC or SOU

Notes

Students who have graduated from high school or completed a high school equivalency program in 1997 or thereafter must have the following requirement for admission to a four-year Oregon state college or university: 1) Two years of the same high school-level second language, or 2) two terms of college-level second language with a grade of C or better (may be first-year second language which can be used as elective credits). Note: Students planning to complete a Bachelor of Arts (BA) degree of a four-year school will be required to complete the equivalent of one year of study of a World Language at the second-year level (or above) before graduation.

For more information about SOU's Early Childhood Development program, visit www.sou.edu/education/ecd/.

ARTICULATION AGREEMENT

The articulation agreement for this program can be found at:

<http://www.sou.edu/admissions/transfers/tr-artagree.html>

ASSOCIATE OF SCIENCE — Early Childhood Development

Minimum 104 Credits – Suggested Transfer Guide for SOU – Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	** ECE Seminar & Practicum I ED 101 4 CR	Introduction to Early Childhood Education ED 140 2 CR	Child Development HDFS 225 3 CR	* English Composition: Intro to Argument WR 121 4 CR	General Education Requirement 3-4 CR <i>from list on facing page</i>	CREDITS 16-17	
	Winter	ECE Seminar & Practicum II ED 102 4 CR	Lesson & Curriculum Planning ED 240 3 CR	Literature and Language for Children ED 154 3 CR	English Composition: Style and Argument WR 122 4 CR <i>OR English Composition: Research</i> WR 123 4 CR	General Education Requirement 3-4 CR <i>from list on facing page</i>	CREDITS 17-18	
	Spring	ECE Seminar & Practicum III ED 103 4 CR	Creative Activities for Children ED 150 3 CR	Infant & Toddler Development HDFS 226 3 CR	General Education Requirement 3-4 CR <i>from list on facing page</i>	General Education Requirement 3-4 CR <i>from list on facing page</i>	CREDITS 16-18	
YEAR TWO	Fall	ECE Seminar & Practicum IV ED 104 4 CR	Fundamentals of Elementary Math I MTH 211 4 CR	Contemporary American Family HDFS 240 3 CR	Fundamentals of Public Speaking SP 111 4 CR <i>OR Interpersonal Communication</i> SP 218 3 CR <i>OR Small Group Discussion</i> SP 219 3 CR	The Exceptional Child HDFS 228 3 CR	General Education Requirement 3-4 CR <i>from list on facing page</i>	CREDITS 20-22
	Winter	ECE Seminar & Practicum V ED 105 4 CR	Fundamentals of Elementary Math II MTH 212 4 CR	Administration of Child Care Centers ED 247 3 CR	General Education Requirement 4 CR <i>from list on facing page</i>	General Education Requirement 3-4 CR <i>from list on facing page</i>	CREDITS 18-19	
	Spring	ECE Seminar & Practicum VI	Individualized Learning for Preschoolers ED 106 4 CR	General Education Requirement 4 CR ED 244 3 CR	General Education Requirement 3-4 CR <i>from list on facing page</i>	Observing/Guiding Behavior ED 178 3 CR	CREDITS 17-18	

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program.

*A grade of C or better must be attained in the courses indicated
 **Instructor approval required to ensure students have completed the background history check, MMR vaccination verification and a food handler's certificate before coursework can begin.

ENGINEERING

ASSOCIATE OF SCIENCE, WITH AN EMPHASIS IN ENGINEERING – MINIMUM 93 CREDITS

CAREER DESCRIPTION

The UCC Engineering Transfer program prepares students for transfer to a bachelor's degree program. The curriculum provides a broad base of lower-division engineering courses, a solid foundation in mathematics and the physical sciences, and core requirements in general education. The curriculum meets the requirements for admission to most of the engineering programs at Oregon State University (OSU), and satisfies the majority of lower division course requirements for transfer to the Oregon Tech (OT), Portland State University (PSU), and other engineering bachelor's degree programs.

Programs offered at OSU include Electrical and Computer Engineering, Civil Engineering, Construction Engineering Management, Environmental Engineering, Mechanical, Industrial and Manufacturing, and Chemical Engineering, as well as BioMedical, Forest, Geological, Mining, Metallurgical, and Nuclear Engineering. PSU and OIT offer programs in Civil, Mechanical, Manufacturing, Electrical, Renewable Energy, and Computer Engineering.

Prospective students should see an engineering faculty advisor, or Counseling and Career Planning Services, to develop your educational plan. Specific courses required vary according to discipline and transfer school selected. Most core engineering courses at UCC are offered only once each academic year, and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university.

PROGRAM TRANSFER GUIDES

Courses required for the AS degree are listed on facing page. There are program electives which are specific to the transfer university and specific branch of engineering. Transfer guides are available for:

- Bioengineering – OSU
- Chemical Engineering – OSU
- Civil Engineering – OSU
- Civil Engineering - OIT
- Construction Engineering Management – OSU
- Ecological Engineering – OSU
- Electrical and Computer Engineering – OSU
- Electrical Engineering - OIT
- Environmental Engineering – OSU
- Mechanical, Industrial, Manufacturing and Energy Systems Engineering – OSU
- Mechanical Engineering – OIT
- Nuclear Engineering – OSU
- Renewable Engineering – OIT

Transfer guides can be developed for other majors and transfer universities. UCC offers the majority of lower division courses needed for transfer to any engineering program available at all universities in Oregon. UCC also offers AS degrees in Geomatics & Surveying and Forestry Engineering.

Transfer guides are listed on the UCC website: <http://www.umpqua.edu/engineering>. Students should work closely with the UCC advisors and faculty and representatives of the school to which they may transfer. There will be special requirements for specific programs or schools.

ASSOCIATE OF SCIENCE — Engineering

Minimum 93 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

REQUIRED CURRICULUM

General Education Requirements

WR 121	Intro to Argument	4
WR 227	Technical Report Writing	4
SP 111	Public Speaking	4
CH 221	Chemistry I	5
MTH 251	Calculus I	5
Social Science Approved Elective ¹		3
Arts & Letters Approved Elective ¹		3
General Education Subtotal		28

Program Requirements²

DRF 112 ³	CAD I	3
ENGR 111	Engineering Orientation I	3
ENGR 112	Problem Solving & Tech	3
MTH 252	Calculus II	4
PH 211	Physics I w/Calculus	5
PH 212	Physics II w/Calculus	5
Program Requirements Subtotal		23

Program Electives, Major Specific²

BA 211	Princ of Accounting I	3
BA 212	Princ of Accounting II	3
BA 226	Business Law	3
BI 211	Principles of Biology	5
BI 212	Principles of Biology	5
BI 213	Principles of Biology	5
BI 231	Human Anatomy & Phy	4
BI 233	Human Anatomy & Phy	4
BI 234	Microbiology	4
BI Elective ⁴	BI Elective w/Lab	4
CS 161	Computer Science I	4
CS 162	Computer Science II	4
CS 260	Data Structures	4
CH 222	General Chemistry II	5

CH 223	General Chemistry III	5
CH 241	Organic Chemistry	4
CH 242	Organic Chemistry	4
CH 243	Organic Chemistry	4
CIV 214	CAD - Civil3D & Design	3
G 221	Environmental Geology	4
GIS 203	Digital World	4
GIS 234	GIS I Intro to GIS	4
GIS 235	GIS II Data Anal & Apps	4
ECON 201	Economics - Micro	3
ECON 202	Economics - Macro	3
ENGR 201	Electrical Fund I	4
ENGR 202	Electrical Fund II	4
ENGR 203	Electrical Fund III	4
ENGR 211	Statics	4
ENGR 212	Dynamics	4
ENGR 213	Strength of Materials	4
ENGR 245	Engineering Graphics	3
ENGR 271	Digital Logic - Lecture	3
ENGR 272	Digital Logic - Lab	1
HPE 295	Wellness & Health	3
MFG 111	Machine Shop Practice I	3
MFG 112	Machine Shop Practice II	3
MTH 253	Calculus III	4
MTH 254	Vector Calculus I	4
MTH 256	Differential Equations	4
MTH 261	Linear Algebra	2
MTH 265	Statistics for Engrs & Sci	4
PH 213	Physics III w/Calculus	5
PHL 202	Ethics	3
SOIL 205	Soils Science Lecture	3
SOIL 206	Soils Science Lab	1
SUR 209	Photogrammetry	4
SUR 161	Surveying I	4
SUR 162	Plane Surveying II	4
SUR 163	Route Surveying	4

SUR 242	Land Desc & Cadastre	3
WLD 101	Welding Process & App	4
WLD 131	Basic Metallurgy	3
WR 122	Style & Argument	4
Perspectives ¹ Gen Ed Electives – OSU		9
Humanities ¹ Gen Ed Electives – OIT		6
Social Science ¹ Gen Ed Elective – OIT		3

Program Electives Subtotal 42-59

Combined Total 93–108 cr

Notes

1. Approved UCC electives are in UCC catalog. OSU General Ed requirements include 5 “Perspective” courses, see website info at OSU website. OIT General Ed requirements allow up to 9 cr of Humanities electives and 12 cr of Social Science Electives, see articulation agreements
2. See Advisor and UCC Advising Guides listed on UCC website at: <http://www.umpqua.edu/engineering> Advising guides can be developed for other majors and transfer universities
3. DRF 112 can be substituted with CS 161, CH 223, ENGR 203 or ENGR 245. See Advisor and advising guide for selected major and transfer university
4. OSU General Ed requirements include a Biological elective plus lab. For some majors the elective is a course requirement. See OSU website.
5. See OIT Articulation agreements for General Ed Requirements at OIT

FOREST ENGINEERING

ASSOCIATE OF SCIENCE WITH AN EMPHASIS IN FOREST ENGINEERING – MINIMUM 104 CREDITS

PROGRAM DESCRIPTION

The UCC Forest Engineering program prepares students for transfer to the bachelor's degree at Oregon State University (OSU). The curriculum is intended to meet the requirements for the first two years of course work necessary for application to the Forest Engineering professional program at OSU. Students can also take additional courses at UCC for transfer to the dual Civil and Forest Engineering program at OSU.

Students that finish the coursework will complete at UCC with a two-year AS degree. The two-year degree may also provide a direct career pathway to employment as a Forest Technician or Engineering Technician.

PROGRAM OUTCOMES

This degree aligns with the Forest Engineering Program offered at Oregon State University. Program specific outcomes are available at <http://undergrad.forestry.oregonstate.edu/sites/undergrad/files/advising/FE%20Advising%20Guide%20-%202016%20-%202017.pdf>. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Prospective students should see an engineering faculty advisor, or Counseling and Career Planning Services, to develop your educational plan. Most core courses at UCC are offered only once each academic year, and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university.

Additional courses for Dual Civil Engineering and Forest Engineering Major

CH 221	General Chemistry II
MTH 253	Calculus III****
MATH 261	Linear Algebra****
PH 213	Physics III w/Calculus

ASSOCIATE OF SCIENCE — Forest Engineering

Minimum 104 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	General Chemistry CH 221 5 CR	Computer Aided Drafting I DRF 112 3 CR	Engineering Orientation I ENGR 111 3 CR	***** Intro to Forestry FOR 111 3 CR	Calculus I MTH 251 5 CR	CREDITS 19
	Winter	GIS I Intro to Geographic Information Systems FOR 234 4 CR	* Problem Solving & Technology FOR 112 3 CR	Calculus II MTH 252 4 CR	English Composition: Intro to Argument WR 121 4 CR	* Arts and Letters Elective with Cultural Diversity 3 CR	CREDITS 18
	Spring	Statistics for Scientists and Engineers MTH 265 4 CR	** Tree and Shrub Identification FOR 141 3 CR	Fundamentals of Public Speaking SP 111 4 CR	Plane Surveying I FOR 161 4 CR		CREDITS 15
YEAR TWO	Fall	Forest Biology FOR 240 4 CR	Statistics ENGR 211 4 CR	Vector Calculus I MTH 254 4 CR	General Physics w/Calculus PH 211 5 CR		CREDITS 17
	Winter	Dynamics ENGR 212 4 CR	Differential Equations MTH 256 4 CR	Physics II w/Calculus PH 212 5 CR	Photogrammetry and Intro to Remote Sensing FOR 209 4 CR		CREDITS 17
	Spring	Strength of Materials ENGR 213 4 CR	Economics (Micro) ECON 201 3 CR	Soil Science - Lecture SOIL 205 3 CR	Soil Science - Lab FOR 206 1 CR	Technical Report Writing WR 227 4 CR	Wellness & Health Assessment HPE 295 3 CR

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for a program.

- * Five perspective electives related to humanities/social science is a general education requirement at OSU. Additional perspectives courses could be taken at UCC, depending on maximum total credits for transfer. See advisor for specific course requirements.
- ** Course transfers as OSU FES 241 Dendrology with a 2 credit hour lab. Students should consider taking the additional lab.
- *** MTH 243 transfers for FE major but not for dual FE/CE major. Need MTH 265 (statistics with calculus) for dual major.
- **** UCC MTH 253 and MTH 261 combined transfer as OSU MTH 306.
- ***** NR 201 can be substituted for FOR 111.

FOREST LANDSCAPE PROCESSES

ASSOCIATE OF SCIENCE WITH AN EMPHASIS IN FOREST LANDSCAPE PROCESSES – MINIMUM 94 CREDITS
PENDING APPROVAL

CAREER DESCRIPTION

Foresters actively plan, observe and manage for the health of the entire forest ecosystem. Foresters play a critical role in understanding and protecting multiple-use natural resources. The primary goals of a forester include managing natural resources for sustainable timber harvesting, and protecting forests for conservation and recreation purposes. The Landscape Processes option focuses on managing for forest disturbance processes, such as wildlife, landslides, insects and disease. Disturbance processes are important considerations in any actively managed forest, regardless of the specific management objective. Skills with these processes are particularly important for managing forests at the landscape scale and in the face of uncertainty and rapid change including climate or land use patterns.

The UCC Forest Landscape Processes program prepares students for transfer to the Forestry bachelor's degree program at Oregon State University (OSU). The curriculum is intended to meet the requirements for the first two years of coursework necessary for application to the professional program in the College of Forestry – Landscape Processes Option at OSU.

PROGRAM OUTCOMES

As a graduate you will have:

1. An ability to identify, formulate, and solve technical problems
2. An ability to communicate effectively and work with others as a team
3. A recognition of the need for, and an ability to engage in life-long learning
4. The ability to carry out simple surveying, mapping and geographic location activities
5. Complete courses required to apply to the professional program at the OSU College of Forestry

GRADUATION REQUIREMENTS

Prospective students should see a faculty advisor, or Counseling and Career Planning Services, to develop your educational plan. Most core courses at UCC are offered once each academic year and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university

ASSOCIATE OF SCIENCE — Forest Landscape Processes

Minimum 94 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

PENDING APPROVAL

YEAR ONE	Fall	Climate Science ATS 201 3 CR	Introduction to Forestry FOR 111 3 CR	College Algebra MTH 111 5 CR	English Composition: Intro to Argument WR 121 4 CR	CREDITS 15
	Winter	Principles of Biology BI 212 5 CR	Problem Solving and Technology FOR 112 3 CR	GIS I Intro to Geographic Information Systems GIS 234 4 CR	Elementary Functions MTH 112 4 CR	CREDITS 16
	Spring	Intro to Probability & Statistics MTH 243 5 CR	Dendrology FOR 241 5 CR	Fundamentals of Public Speaking SP 111 4 CR	Plane Surveying I FOR 161 4 CR	CREDITS 18
YEAR TWO	Fall	General Chemistry CH 221 5 CR	Economics (Micro) ECON 201 3 CR	Forest Biology FOR 240 4 CR	General Physics PH 201 5 CR <i>OR</i> General Physics w/Calculus PH 211 5 CR	CREDITS 17
	Winter	** Arts & Letters Elective 3 CR	** Arts & Letters <i>OR</i> Social Sciences Elective 3 CR	Calculus for Management MTH 241 4 CR <i>OR</i> Calculus I MTH 251 5 CR	Photogrammetry and Intro to Remote Sensing FOR 209 4 CR	CREDITS 14-15
	Spring	Wellness & Health Assessment HPE 295 3 CR	** Arts & Letters <i>OR</i> Social Sciences Elective 3 CR	Soil Science – Lecture SOIL 205 3 CR	Soil Science – Lab FOR 206 1 CR	Technical Report Writing WR 227 4 CR CREDITS 14

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for a program.

*General education requirement for perspectives at OSU. Grade of "C" or better in all courses. UCC Science Department will waive the prerequisite for Forest Landscape Process majors.

**Five perspective electives related to humanities/social science is a general education requirement at OSU. Additional courses could be taken at UCC, depending on maximum total credits for transfer. See advisor for specific course requirements. One elective must also meet Cultural Literacy requirement.

FOREST MANAGEMENT

ASSOCIATE OF SCIENCE WITH AN EMPHASIS IN FOREST MANAGEMENT – MINIMUM 93 CREDITS

PROGRAM DESCRIPTION

Forest Managers must understand natural resource systems and how to organize the management of forest resources for multiple uses and multiple values. The core curriculum in Forest Management is a broad-based education, including basic courses in mathematics, engineering, statistics, biology and ecology, the physical and social sciences, professional courses in forest biology and ecology and forest management.

The UCC Forest Management program prepares students for transfer to the Forestry bachelor's degree program at Oregon State University (OSU). The curriculum is intended to meet the requirements for the first two years of coursework necessary for application to the professional program in the College of Forestry – Forest Management Option at OSU.

PROGRAM OUTCOMES

This degree aligns with the Forestry Program at Oregon State University. Program specific outcomes are available at <http://undergrad.forestry.oregonstate.edu/sites/undergrad/files/advising/2016%20-%2017%20BS%20Forestry%20Advising%20Guide.pdf>. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Prospective students should see a faculty advisor, or Counseling and Career Planning Services, to develop your educational plan. Most core courses at UCC are offered once each academic year and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university.

ASSOCIATE OF SCIENCE — Forest Management

Minimum 93 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	General Chemistry CH 221 5 CR	**** Introduction to Forestry FOR 111 3 CR	College Algebra MTH 111 5 CR	English Composition: Intro to Argument WR 121 4 CR	CREDITS 17
	Winter	* Principles of Biology BI 212 5 CR	Problem Solving & Technology FOR 112 3 CR	GIS I Intro to Geographic Information Systems FOR 234 4 CR	Elementary Functions MTH 112 4 CR	CREDITS 16
	Spring	Intro to Probability & Statistics MTH 243 5 CR	Dendrology FOR 241 5 CR	Fundamentals of Public Speaking OR Persuasive Speech SP 112 3 CR	Surveying I FOR 161 4 CR	CREDITS 17-18
YEAR TWO	Fall	** Arts & Letters Elective 3 CR	Economics (Micro) ECON 201 3 CR	Forest Biology FOR 240 4 CR	General Physics PH 201 5 CR	CREDITS 15
	Winter	** Arts & Letters OR Social Sciences Elective 3 CR	** Arts & Letters OR Social Sciences Elective 3 CR	*** Calculus for Management MTH 241 4 CR	Photogrammetry and Intro to Remote Sensing FOR 209 4 CR	CREDITS 14
	Spring	Wellness & Health Assessment HPE 295 3 CR	Climate Science ATS 201 3 CR	Soil Science – Lecture SOIL 205 3 CR	Soil Science – Lab FOR 206 1 CR	Technical Report Writing WR 227 4 CR CREDITS 14

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for this program.

- * General education requirement for perspectives at OSU. Grade of "C" or better in all courses. UCC Science Department will waive the prerequisite for BI 211 for Forest Management majors
- ** Five perspective electives related to humanities/social science is a general education requirement at OSU. Additional courses could be taken at UCC, depending on maximum total credits for transfer. See advisor for specific course requirements. One elective must also meet Cultural Literacy requirement.
- *** MTH 251 Calculus I can be substituted for MTH 241.
- **** NR 201 can be substituted for FOR 111.

FOREST OPERATIONS

ASSOCIATE OF SCIENCE WITH AN EMPHASIS IN FOREST OPERATIONS – MINIMUM 98 CREDITS

CAREER DESCRIPTION

Forest Operations is designed as a professional forestry degree that blends elements of forest engineering and forest management with business management and entrepreneurship. This unique degree will prepare graduates to support the needs of an evolving forest sector in Oregon and globally. As they gain experience, graduates will have options to serve as project managers for logging or silvicultural contracting service firms, as consultants, or as company or agency contract administrators that supervise a growing contracting work force.

The UCC Forest Operations program prepares students for transfer to the Forestry bachelor's degree program at Oregon State University (OSU). The curriculum is intended to meet the requirements for the first two years of coursework necessary for application to the professional program in the College of Forestry – Forest Operations Management Option at OSU.

PROGRAM OUTCOMES

This degree aligns with the Forestry Program at Oregon State University. Program specific outcomes are available at <http://undergrad.forestry.oregonstate.edu/sites/undergrad/files/advising/2016%20-%2017%20BS%20Forestry%20Advising%20Guide.pdf>. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Prospective students should see a Business Department faculty advisor, or Counseling and Career Planning Services, to develop your educational plan. Most core courses at UCC are offered only once each academic year and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university.

ASSOCIATE OF SCIENCE — Forest Operations

Minimum 98 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	General Chemistry CH 221 5 CR	**** Introduction to Forestry FOR 111 3 CR	College Algebra MTH 111 5 CR	English Composition: Intro to Argument WR 121 4 CR	CREDITS 17	
	Winter	* Principles of Biology BI 212 5 CR	Problem Solving & Technology FOR 112 3 CR	GIS I Intro to Geographic Information Systems FOR 234 4 CR	Elementary Functions MTH 112 4 CR	CREDITS 16	
	Spring	Intro to Probability & Statistics MTH 243 5 CR	Dendrology FOR 241 5 CR	Fundamentals of Public Speaking SP 111 4 CR	Surveying I FOR 161 4 CR	CREDITS 18	
YEAR TWO	Fall	** Arts & Letters Elective with Cultural Diversity 3 CR	Principles of Accounting I BA 211 3 CR	Forest Biology FOR 240 4 CR	General Physics PH 201 5 CR	CREDITS 15	
	Winter	Principles of Accounting II BA 212 3 CR	Wellness & Health Assessment HPE 295 3 CR	*** Calculus for Management MTH 241 4 CR	Photogrammetry and Intro to Remote Sensing FOR 209 4 CR	Technical Report Writing WR 227 4 CR	CREDITS 18
	Spring	Principles of Accounting III BA 213 3 CR	Business Law BA 226 4 CR	Economics (Micro) ECON 201 3 CR	Soil Science – Lecture SOIL 205 3 CR	Soil Science – Lab FOR 206 1 CR	CREDITS 14

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for this program.

- * UCC Science Department will waive the prerequisite for BI 211 for Forest Operations majors.
- ** Five perspective electives related to humanities/social science is a general education requirement at OSU. Additional courses could be taken at UCC, depending on maximum total credits for transfer. See advisor for specific course requirements. Grade of "C" or better in all courses.
- *** MTH 251 Calculus I can be substituted for MTH 241.
- **** NR 201 can be substituted for FOR 111.

HUMAN SERVICES

ASSOCIATE OF SCIENCE: ARTICULATED WITH THE INTERDISCIPLINARY BACHELOR OF ARTS OR SCIENCE IN SOCIAL SCIENCE (HUMAN SERVICES PROGRAM) AT SOUTHERN OREGON UNIVERSITY – MINIMUM 90 CREDITS

CAREER DESCRIPTION

The Associate of Science degree is based on a signed articulation agreement with Southern Oregon University (SOU). The SOU departments of psychology and sociology/anthropology offer an interdisciplinary bachelor's degree program focusing on the needs of human service professionals, a Bachelor of Arts or Science in Social Science. The UCC Associate of Science (AS) degree is fully articulated with SOU's Human Service program and allows students to transfer directly as juniors into the program at SOU with no loss of credits to pursue a bachelor's degree. Students should contact the SOU Human Services program early in the first year of the AS program to be advised about additional requirements and procedures for admission to the school or program. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

PROGRAM OUTCOMES

This degree aligns with the Human Services program at Southern Oregon University. Program specific information is available at <https://inside.sou.edu/degreecompletion/hs/index.html>. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade point of 2.0 and a grade of C or better in Writing 121, Writing 122, and the Speech class chosen to meet the Oral Communication requirement.

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must meet the Second Language requirement for admission to a four-year Oregon state college or university (see page 36). If students plan to complete a Bachelor of Arts (BA) degree

at a four-year school, they must have a proficiency in a World Language regardless of when they graduated from high school or equivalency program. (Students interested in pursuing a Bachelors Degree related to Human Services at other institutions should consider the AA/OT. The AA/OT degree can facilitate completing lower division coursework before transferring to complete their degree, although it may not satisfy all program major requirements in the new setting. Students interested in the AA/OT should consult with the Human Services Program coordinator or other advisory staff.

Note: SOU Human Services Baccalaureate Graduation Requirements: Minimum GPA of 2.5 is required for graduation and no grade below C- allowed in all upper division HS major coursework or lower division coursework directly applied to the Human Services degree requirements. *For admission to the SOU Human Service Program, UCC students who commence this AS degree Fall 2013 or later must earn a minimum grade of B or higher in MTH 243, PSY 201, PSY 202, PSY 203, HDFS 201, HS 155, HS 229, HS 265, and SOC 204.*

REQUIRED CURRICULUM

If you cannot access a computer, please see your academic advisor for assistance.

Writing and Oral Communication Skills

(Grade of C or better required) Required Credits:	9
WR 121 English Composition: Intro to Argument ¹	4
WR 122 English Composition: Style and Argument ¹ OR 4	4
WR 123 English Composition: Research ¹	4
SP 111 Fundamentals of Public Speaking ¹ OR	4
SP 218 Interpersonal Communication ¹ OR	3
SP 219 Small Group Discussion ¹	3

Mathematics: Required Credits

MTH 105 Math in Society OR	4
MTH 111 College Algebra OR	5
MTH 211 Fundamentals of Elementary Math I AND	4
MTH 212 Fundamentals of Elementary Math II (<i>must take both</i>) AND	4
MTH 243 Introduction to Probability & Statistics ²	5

Humanities Exploration: Required Credits

9

Complete at least **three** Humanities courses from the SOU General Education Transfer Guide.

Note: A Bachelor of Arts degree requires the equivalent of one year of study of a World Language at the second-year level or above.

Science Exploration: Required Credits

11

Complete at least three Science courses from the SOU General Education Transfer Guide*. At least two of the science courses must have labs.

*To view the SOU University Studies (General Education) courses, open the SOU General Education Transfer Guide link above, or visit: www.sou.edu/admissions/transfers. Select: General Education Transfer Guide. Select Transfer Courses to SOU Select: "Umpqua Community College" from the drop-down menu. If you cannot access a computer, please see your academic advisor for assistance.

Social Science Exploration: Required Credits

9

PSY 201 General Psychology ²	3, 3, 3
+202+203 (must take all three) ²	

Prerequisites/Program Requirements for

Human Services: Required Credits

24

HS 100 Introduction to Human Services	3
HS 155 Counseling Skills ² ***	3
HS 226 Ethics and Law	3
HS 229 Crisis Intervention and Prevention ² **	3
HS 265 Counseling Services II ² ***	3
HS 267 Cultural Competence in Human Svcs	3
HDFS 201 Individual and Family Development ²	3
SOC 204 Introduction to Sociology ²	3

Electives: (May include HS classes)

Required Credits:

up to 20

Complete a sufficient number of transfer-level (numbered 100 and above) courses to meet the total degree requirement of at least 90 credits. A maximum of 12 career/technical course credits may be used toward this degree.

Total Program Credits

90

ARTICULATION AGREEMENT

The articulation Agreement for this program can be found at <http://www.sou.edu/admissions/transfers/tr-artagree.html>

ASSOCIATE OF SCIENCE — Human Services

Minimum 90 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	Introduction to Human Services HS 100 3 CR	Elective 3 CR	General Psychology ² PSY 201 3 CR	English Composition: Intro to Argument ¹ WR 121 4 CR	CREDITS 13
	Winter	*** Counseling Skills I ² HS 155 3 CR	** Crisis Intervention and Prevention ² HS 229 3 CR	General Psychology ² PSY 202 3 CR	English Composition: Style and Argument ¹ WR 122 4 CR OR English Composition: Research WR 123 4 CR	Elective 3 CR CREDITS 16
	Spring	Ethics and Law HS 226 3 CR	General Psychology ² PSY 203 3 CR	Math in Society MTH 105 4 CR OR College Algebra MTH 111 5 CR	Elective 3 CR	CREDITS 13-14
	Summer	*** Counseling Skills II ² HS 265 3 CR				CREDITS 3
YEAR TWO	Fall	* Required Humanities 3 CR	* Required Science 4 CR	Introduction to Sociology ² SOC 204 3 CR 3 CR	**** Individual & Family Development ² HDFS 201 3 CR	Elective 2-3 CR CREDITS 15-16
	Winter	* Required Humanities 3 CR	* Required Science 4 CR	* Introduction to Probability & Statistics ² MTH 243 5 CR	Fundamentals of Public Speaking ¹ SP 111 4 CR OR Small Group Discussion ¹ SP 219 3 CR OR Interpersonal Communication ¹ SP 218 3 CR	CREDITS 15-16
	Spring	* Required Humanities 3 CR	* Required Science 3-4 CR	Cultural Competence in Human Services HS 267 3 CR	Elective 3 CR	Elective 3 CR CREDITS 15-16

NOTES

1 Grade of C or better required.

2 Grade of B or better required.

* See SOU General Education Transfer Guide. A maximum of 124 lower division credits can be transferred from a community college to SOU.

** HS 229 is accepted by SOU as an equivalent to PSY 475 Crisis Intervention Strategies; however, upper division credit for HS 229 is not given. In order for this equivalency to be valid, UCC transfer students must complete the Human Services Associate of Science Degree prior to transfer. Students receiving this equivalency must substitute an upper division psychology course for PSY 475 as suggested and approved by an advisor at SOU.

*** HS 155 and HS 265 are accepted by SOU as an equivalent to PSY 471 Introduction to Helping Skills; however, upper division credit for HS 155 and HS 265 is not given. In order for this equivalency to be valid, UCC transfer students must complete the Human Services Associate of Science Degree prior to transfer. Students receiving this equivalency must substitute an upper division psychology course for PSY 471 as suggested and approved by an advisor at SOU.

**** HDFS 201 is accepted as an equivalent to PSY 370 Lifespan Development; however, upper division credit for HDFS 201 is not given. Students who complete the Human Service Associate of Science Degree at UCC will not be required to take PSY 471 Introduction to Helping Skills or PSY 475 Crisis Intervention Strategies at SOU; however, substitute upper division level credits in psychology must be taken as suggested and approved by an advisor.

MUSIC

ARTICULATED WITH THE SCHOOL OF MUSIC OF SOUTHERN OREGON UNIVERSITY – MINIMUM 98 CREDITS

CAREER DESCRIPTION

The Associate of Science degree (Music) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU's Music program and allows students to transfer directly as juniors and to become admitted into the Music program at SOU with no loss of credits to pursue a baccalaureate degree. The program offers an excellent balance of music and general education courses that support advanced study in the field of music. Students should contact the SOU Music Department early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU. All students must pass a New Student Hearing before being accepted as a Music Major at SOU. The student's applied level of study (MUP courses) will be set based on the audition.

Students interested in pursuing a baccalaureate degree related to Music at other institutions besides SOU should consider the Associate of Arts Oregon Transfer degree instead. The AA/OT degree can facilitate a student completing their lower division coursework before transferring to complete their degree (although the AA/OT may not satisfy all "program" requirements in the new setting). Interested students should consult with the Music Program Coordinator as well as Academic Advisors to maximize the Music Studies focus for their AA/OT degree.

PROGRAM OUTCOMES

This degree aligns with the School of Music at Southern Oregon University. Program specific information is available at <http://www2.sou.edu/academics/music/about/>. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Students must complete a minimum of 96 term credits of lower division collegiate courses with a minimum grade point of 2.0 and a grade of C or better.

REQUIRED CURRICULUM

Writing and Oral Communication Skills:

Required Credits:	9
WR 121 English Composition: Intro to Argument	4
WR 122 English Composition: Style and Argument <i>OR</i>	4
WR 123 English Composition: Research	
SP 111 Fundamentals of Public Speaking <i>OR</i>	4
SP 218 Interpersonal Communication <i>OR</i>	3
SP 219 Small Group Discussion	3

Mathematics: Required Credits

Complete at least one Mathematics course from the SOU General Education Transfer Guide*.

Note: The Bachelor of Science degree requires two courses (7 credits) of math or designated programming, statistics, or logic courses. The second course may be chosen from the following list at UCC as an elective, or completed later at SOU. Please see your academic advisor for details

MTH 105 Math in Society (does not include MTH 105T)	4
MTH 111 College Algebra	5
MTH 112 Elementary Functions	4
MTH 211 Fundamentals of Elementary Math I & II & 212 (must take both)	4
MTH 241 Calculus for Management & Social Science I	4
MTH 243 Introduction to Probability & Statistics	5
MTH 251 Calculus I	5
PHL 203 Introduction to Philosophy	3

Humanities Exploration: Required Credits

Complete at least three Humanities courses from the SOU General Education Transfer Guide.

Social Science Exploration: Required Credits

HPE 295 Wellness & Health Assessment
Plus at least two additional Social Science courses from the General Education Transfer Guide*

Science Exploration: Required Credits

Complete at least three Science courses from the SOU General Education Transfer Guide*. At least two of the science courses must have labs.

*Use the SOU General Education Transfer Guide to identify courses that satisfy the categories listed above. Select Umpqua Community College from the drop-down menu. Then view courses listed under each category. If you are using a paper copy of this guide, or if the link does not work, follow these steps to see the courses: Visit: www.sou.edu/admissions/transfers. Select: General Education Transfer Guides. Select: "Umpqua Community College" from drop-down menu.

Music Requirements Total Required Credits: 54

A. Complete all the following: Credits: 30

MUS 111, 112, 113 Music Theory I	3,3,3
MUS 211, 212, 213 Music Theory II	3,3,3
MUS 114, 115, 116 Aural Skills I	1,1,1
MUS 224, 225, 226 Aural Skills II	1,1,1
MUP 101-292 Performance Studies	6

B. Demonstrated Piano Proficiency Credits: 12

MUS 131, 132, 133 Class Piano	2,2,2**
MUS 214, 215, 216 Intermediate Piano	2,2,2**

**Note: MUP 101-292 can be substituted for "piano" credits if student demonstrates proficiency

C. 6 credits from below: Credits: 6

MUS 201 Introduction to Music and Its Literature****	3
MUS 202 Introduction to Music and Its Literature****	3
MUS 203 Introduction to Music and Its Literature****	3

D. Selected MUP/MUS courses Credits from below: 6

MUP 195 A/B/C Concert Band	1,1,1
MUP 196 A/B/C Chamber Orchestra***	1,1,1
MUP 197 A/B/C Concert Choir***	1,1,1
MUP 295 Jazz Band***	1,1,1
MUP 189 A/B/C Chamber Choir-Vocal Jazz***	2,2,2
MUS 134,135,136 Class Voice***	2,2,2
MUS 137,138,139 Beginning Class Guitar***	2,2,2

Music Electives (Optional)

MUP 101-292 Performance Studies**	
MUS 105 Introduction to Rock Music****	3
MUS 204 Music of the World****	3
MUS 205 Introduction to Jazz History****	3

Total Degree Credits 96

Notes

* See SOU General Education Transfer Guide

** MUP 101-292 can be substituted for "piano" credits if student demonstrates proficiency

*** Six credits from these selected MUP/MUS courses required (See section D above)

**** May also be used for Humanities Exploration Credit. Six credits from these MUS courses required (Section C above)

ASSOCIATE OF SCIENCE — Articulated with the School of Music of Southern Oregon University

Minimum 98 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	Individual Lessons MUP 101-292 1 CR	Music Theory I MUS 111 3 CR	*** Selected MUP/MUS credits 1 CR	Aural Skills I MUS 114 1 CR	** Class Piano MUS 131 2 CR	**** Introduction to Music and Its Literature MUS 201 3 CR	English Composition: Intro to Argument WR 121 4 CR	* Required Humanities 3 CR	CREDITS 18
	Winter	Individual Lessons MUP 101-292 1 CR	Music Theory I MUS 112 3 CR	*** Selected MUP/MUS credits 1 CR	Aural Skills I MUS 115 1 CR	Class Piano MUS 132 2 CR	**** Introduction to Music and Its Literature MUS 202 3 CR	English Composition: Style and Argument WR 122 4 CR	* Required Humanities 3 CR	CREDITS 18
	Spring	Individual Lessons MUP 101-292 1 CR	Music Theory I MUS 113 3 CR 1 CR	*** Selected MUP/MUS credits	Aural Skills I MUS 116 1 CR	Class Piano MUS 133 2 CR 4 CR	* Required Mathematics MUS 203 3 CR	* Required Humanities		CREDITS 15
YEAR TWO	Fall	Individual Lessons MUP 101-292 1 CR	Music Theory II MUS 211 3 CR	*** Selected MUP/MUS credits 1 CR	Aural Skills II MUS 224 1 CR	Intermediate Piano MUS 214 2 CR	Wellness & Health Assessment HPE 295 3 CR	Required Science with lab 4 CR		CREDITS 15
	Winter	Individual Lessons MUP 101-292 1 CR	Music Theory II MUS 212 3 CR	*** Selected MUP/MUS credits 1 CR	Aural Skills II MUS 225 1 CR	Intermediate Piano MUS 215 2 CR	Fundamentals of Public Speaking <i>OR</i> SP 111 4 CR Interpersonal Communication SP 218 3 CR <i>OR</i> Small Group Discussion SP 219 3 CR	Required Social Science 3 CR	Required Science with lab 4 CR	CREDITS 18-19
	Spring	Individual Lessons MUP 101-292 1 CR	Music Theory II MUS 213 3 CR	*** Selected MUP/MUS credits 1 CR	Aural Skills II MUS 226 1 CR	Intermediate Piano MUS 216 2 CR	Required Social Science 3 CR	Required Science 3-4 CR		CREDITS 14-15

NOTES

- Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for this program.
- A maximum of 124 lower division credits can be transferred from a community college to SOU.
 - SOU Music Program Graduation Requirements: Baccalaureate students must complete a minimum of 60 credits of upper division work before a degree will be awarded and meet all the requirements of SOU prior to graduation. Upper division is defined as 300- and 400-level classes at a bachelor's degree-granting institution.
 - For more information about the SOU Music Program, visit: www.sou.edu/music.

NATURAL RESOURCES

ASSOCIATE OF SCIENCE IN NATURAL RESOURCES – 90 CREDITS

CAREER DESCRIPTION

The Associate of Science degree in Natural Resources gives students a comprehensive educational foundation for careers related to natural resource science and technology. This program prepares students for jobs in conservation science, wildlife biology, fisheries science, botany, forestry, ecosystem management, watershed management and other fields related to natural resource science and conservation. The program takes advantage of the diversity of resources available on nearby public lands, and the expertise of local professionals who manage those lands, to provide a mix of classroom, lab and field experiences not found at any other institution. Our Landscape Monitoring Option introduces the theory and practice of landscape monitoring, and offers broad laboratory and field training in measuring and analyzing ecological conditions at the microsite, community, and landscape levels. Students are also free to create their own “Individualized Specialty Option” Bachelor of Science degree in consultation with UCC faculty and OSU’s Natural Resources Program Manager that fits their unique goals. See <https://www.umpqua.edu/natural-resources> for more information.

PROGRAM OUTCOMES

Program Outcomes for this degree are available at <http://www.umpqua.edu/natural-resources>. Contact the UCC program advisor for additional information.

ACCEPTANCE REQUIREMENTS

Students are required to take college placement tests to determine skill level and readiness for college-level courses. Coursework from accredited high schools, colleges and universities will be accepted in accordance with college policies and with the approval of the Science Department Chair.

PROGRAM INFORMATION

Students who graduate with an Associate of Science degree in Natural Resources will be well-trained for entry-level jobs in the natural resource economy. The program is specifically designed for seamless transfer to the Oregon State University College of Forestry’s Bachelor of Science degree in Natural Resources. Students will receive a solid grounding in the fundamentals of writing, math and science, and will apply those concepts and skills in the lab and in the field. Training will emphasize current monitoring methods and technologies employed by agency field specialists. Transfer agreements between OSU and the UCC Science and Engineering Depts. also allow course transfers into many other options within the OSU Natural Resources BS, and into BS degrees in Forest Engineering, Forest Management, Forest Operations, and others.

CURRICULUM

The program courses are listed below in 3 categories:

1. OSU Baccalaureate Core Equivalents are courses that meet OSU’s general education requirements for any major.
2. OSU Natural Resources Core Equivalents meet the core requirements of OSU’s Natural Resources major.
3. OSU Landscape Monitoring Option courses meet this specific option that was jointly developed by UCC and OSU.

Once the AS degree is completed, there are a number of other UCC courses that meet additional requirements for a Bachelor of Science degree at OSU or that can be used for individual specialization options. Consult your advisor to learn more about these.

OSU Baccalaureate Core Equivalents:

BI 211	Principles of Biology I ¹	5
BI 212	Principles of Biology II ¹	5
BI 213	Principles of Biology III ¹	5
ENG 230	Environmental Literature	4
G 221	Environmental Geology ¹	4
MTH 111	College Algebra	5
NR 240	Forest Biology ¹	4
NR 241	Dendrology ¹	4
SOIL 205/206	Soil Science w/Lab ¹	4
SP 111	Fundamentals of Public Speaking	4
WR 121	English Comp. Intro to Argument	4
WR 227	Technical Report Writing	4

OSU Natural Resources Core Equivalents

BOT 203	Field Botany	4
CH 112	Fundamentals of Chemistry	5
GIS 234	Introduction to GIS	4
MTH 243	Intro to Statistics	4
NR 201	Intro to Natural Resources	3
NR 221	Water Resource Science	4
NR 255*	Field Sampling of Fish and Wildlife	3
NR 261	Recreation Resource Management	4
NR 295	Environmental Dispute Resolution	3

OSU Landscape Monitoring Option

BOT 204	Field Bot. SW OR & N CA (hybrid) <i>OR</i>	
NR 242	Ecosystems of SW OR & N CA (hybrid)	4
NR 243*	Historical Ecology of PNW Landscapes	3
NR 251	Prin. of Fish & Wildlife Conservation	3

* Course articulation with OSU pending

ASSOCIATE OF SCIENCE IN NATURAL RESOURCES — Landscape Monitoring Option

97 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	Principles of Biology I BI 211 5 CR	Fundamentals of Chemistry CH 112 5 CR	Intro to Natural Resources NR 201 3 CR	English Comp. Intro to Argument WR 121 4 CR	CREDITS 17
	Winter	Principles of Biology II BI 212 5 CR	Principles of Fish and Wildlife Conservation NR 251 3 CR	Environmental Literature ³ ENG 230 4 CR	Technical Report Writing WR 227 4 CR	CREDITS 16
	Spring	Principles of Biology III BI 213 5 CR	Dendrology NR 241 4 CR	Field Botany BOT 203 4 CR	College Algebra MTH 111 5 CR	CREDITS 18
YEAR TWO	Fall	Intro to Statistics MTH 243 5 CR	Forest Biology NR 240 4 CR	Environmental Geology G 221 4 CR	Fundamentals of Public Speaking SP 111 4 CR	CREDITS 17
	Winter	Introduction to GIS GIS 234 4 CR	Environmental Dispute Resolution NR 295 3 CR	Historical Ecology of PNW Landscapes NR 243 3 CR	Water Resource Science NR 221 4 CR	CREDITS 14
	Spring	Soil Science SOIL 205/206 4 CR	Recreation Resource Management NR 261 4 CR	Field Sampling of Fish and Wildlife NR 255 3 CR	Ecosystems of SW OR & N CA NR 242 4 CR <i>OR</i> Flowering Plants of SW OR & N CA BOT 204 4 CR	CREDITS 15

NOTES

¹ Also meets OSU NR Core requirements

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for a program.

SURVEYING AND GEOMATICS

ASSOCIATE OF SCIENCE, WITH AN EMPHASIS IN SURVEYING AND GEOMATICS – 98 CREDITS

CAREER DESCRIPTION

The surveying and geomatics professions work with private and public projects. Projects may include property surveys, road construction, topographical maps or building layout. The surveying curriculum offers a hands-on approach to learning the principles of surveying. Electronic surveying equipment and computer software are used throughout the coursework.

Geographic information systems (GIS) is a systematic approach to management, analysis, and display of geographic information. Many public agencies now use GIS for most of their mapping. Surveying, geomatics, and GIS often overlap.

Oregon Tech is currently the only university in Oregon that offers either a Bachelor of Science in Geomatics, Surveying Option or a Bachelor of Science in Geomatics, Geographic Information Systems (GIS) Option.

Students interested in a 2-year AAS degree with focus in Surveying & Geomatics may want to consider an AAS in Civil Engineering and Surveying Technology. For more information on the AAS program go to the Career and Technical portion of this catalog under ENGINEERING TECHNOLOGY: Civil Engineering and Surveying Technology, AAS. The UCC Counseling and Career Planning Services can assist with developing a plan for course of study.

PROGRAM OUTCOMES

Students who successfully complete an Associate of Science with an emphasis in Surveying and Geomatics will:

1. Apply knowledge of mathematics, science, and engineering.
2. Design, collect, analyze, and interpret data.
3. Function on teams.
4. Identify, formulate, and solve surveying problems.
5. Communicate effectively.

GRADUATION REQUIREMENTS

Oregon Tech is currently the only university in Oregon that offers either a Bachelor of Science in Geomatics, Surveying Option or a Bachelor of Science in Geomatics, Geographic Information Systems (GIS) Option.

Students interested in a 2-year AAS degree with focus in Surveying & Geomatics may want to consider an AAS in Civil Engineering and Surveying Technology. For more information on the AAS program go to the Career and Technical portion of this catalog under ENGINEERING TECHNOLOGY: Civil Engineering and Surveying Technology, AAS. The UCC Counseling and Career Planning Services can assist with developing a plan for course of study.

ARTICULATION AGREEMENT

The articulation agreement for this program can be found at <http://tinyurl.com/oituccartical>.

ASSOCIATE OF SCIENCE — Surveying and Geomatics

98 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE	Fall	Engineering Orientation I ENGR 111 3 CR	Computer Aided Drafting I DRF 112 3 CR	Elementary Functions MTH 112 4 CR	English Composition Intro to Argument WR 121 4 CR	Digital World and Geospatial Concepts GIS 203 4 CR	CREDITS 18
	Winter	Social Sciences Elective 3 CR	GIS I Intro to Geographic Information Systems GIS 234 4 CR	Calculus I MTH 251 5 CR WR 122 4 CR	English Composition Style & Argument		CREDITS 16
	Spring	CAD-Civil3D and Virtual Design CIV 214 3 CR	Surveying I SUR 161 4 CR	Calculus II MTH 252 4 CR	GIS II Data Analysis and Applications GIS 235 4 CR		CREDITS 15
YEAR TWO	Fall	Plane Surveying II SUR 162 4 CR	Vector Calculus MTH 254 4 CR	General Physics w/Calculus PH 211 5 CR	Arts & Letters Elective 3 CR		CREDITS 16
	Winter	Route Surveying SUR 163 4 CR	Introduction to Probability and Statistics MTH 243 4 CR	General Physics w/Calculus PH 212 5 CR	Photogrammetry and Intro to Remote Sensing SUR 209 4 CR		CREDITS 17
	Spring	Land Descriptions- and Cadastre SUR 242 3 CR	Technical Report Writing WR 227 4 CR	General Physics w/Calculus PH 213 5 CR	Fundamentals of Public Speaking SP 111 4 CR		CREDITS 16

NOTES

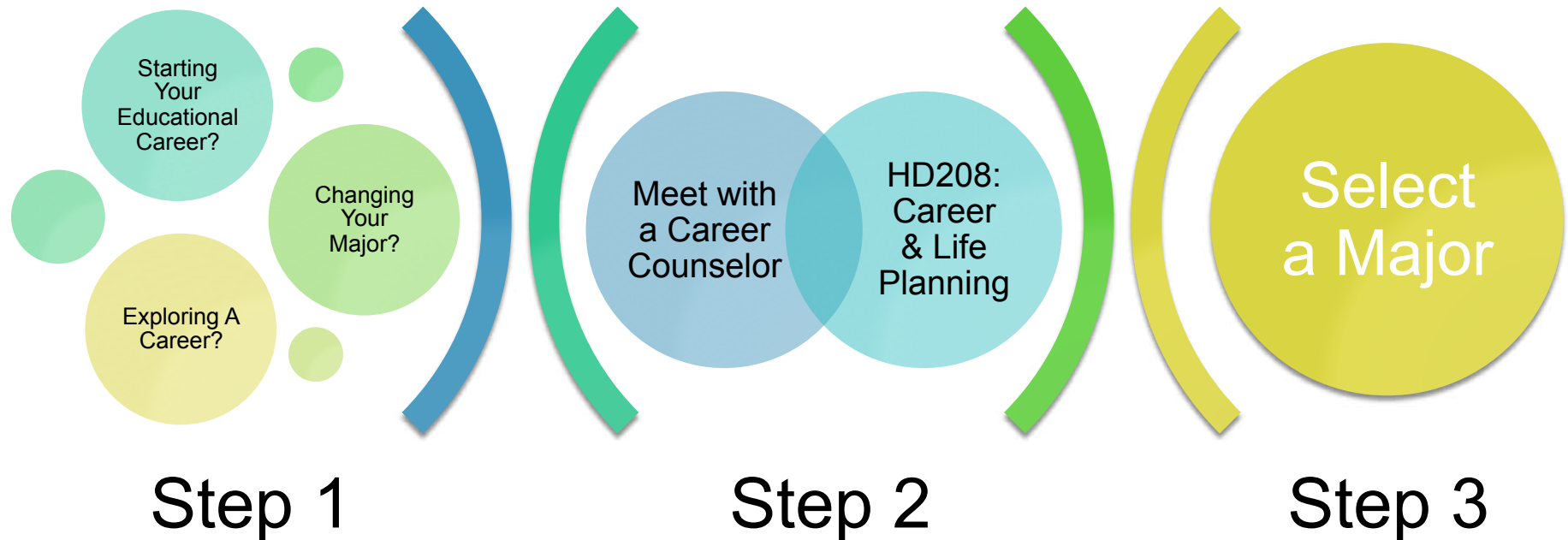
Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for this program.

General Education Requirements. See UCC Engineering Faculty Advisor or UCC Advising Services to review requirements for selected transfer university and AS requirements at UCC.

Students must take one Humanities and one Social Sciences elective 3 credits from a course that meets Cultural Literacy-can also be used to meet Humanities/Social Sciences



Undecided? Start Your Career With Us!



Career Services
ESB 10
541-440-7900
Drop-in or schedule an appointment.

OREGON PUBLIC UNIVERSITIES 2017-18: DISCOVER YOUR FUTURE

Oregon's universities and colleges offer diverse, high-quality programs of study to students from across the state and throughout the world. From hundreds of exciting academic majors — many unique to Oregon — to first-rate professors who provide relevant learning and research experiences, Oregon universities will give you the foundation you need to define and excel in your life and career.

Students planning to transfer from Umpqua Community College may identify a summary of programs offered, admission guidelines, campus visit dates and information on cost of attendance on any of the Oregon universities and colleges at: <https://www.oregon.gov/highered/plan-pay-for-college/Pages/public-universities.aspx>

General information on the seven public universities is shown below.

Eastern Oregon University

www.eou.edu

Location: La Grande, Northeast Oregon, 4 hours east of Portland

Approximate number of students: 4,000

Some Notable Majors: Business Administration, Liberal Studies, Multidisciplinary Studies, Elementary Education, Anthropology/Sociology, Physical Activity and Health, Fire Services Administration

Oregon Tech

www.OIT.edu

Locations: Klamath Falls, Southern Oregon;
and Wilsonville, 15 minutes south of Portland

Approximate number of students: 4,500

Some Notable Majors: Engineering, Allied Health Professions, Management, Communication Studies, Applied Psychology, Applied Sciences

Oregon State University

www.oregonstate.edu

Location: Corvallis, 1½ hours south of Portland

Approximate number of students: 28,000

Some Notable Majors: Engineering, Computer Science, Business, Science and Natural Resources, Health and Human Sciences, Graphic Design, Apparel Design, Music

Portland State University

www.pdx.edu

Location: Portland, downtown

Approximate number of students: 29,000

Some Notable Majors: Biology, Engineering and Computer Sciences, Management, Fine and Performing Arts, Psychology, Communication Studies

Southern Oregon University

www.sou.edu

Location: Ashland, Southwestern Oregon, 20 minutes south of Medford

Approximate number of students: 6,000

Some Notable Majors: Business, Computer Science, Criminal Justice, Education, Emerging Media and Digital Arts, Environmental Studies, Outdoor Adventure Leadership, Theatre Arts

University of Oregon

www.uoregon.edu

Location: Eugene, 2 hours south of Portland, 2½ hours north of Medford

Approximate number of students: 24,500

Some Notable Majors: Architecture, Business Administration, Computer Science, Educational Studies, Journalism, Human Physiology, Marine Biology, Family and Human Services

Western Oregon University

www.wou.edu

Location: Monmouth, 20 minutes west of Salem, 1½ hours south of Portland

Approximate number of students: 6,000

Some Notable Majors: Computer Science, Criminal Justice, Psychology, Business, Education, Biology, American Sign Language