

# COMPUTER SCIENCE, ASSOCIATE OF SCIENCE OREGON TRANSFER

Students having the Associate of Science Oregon Transfer Computer Science (ASOT-CS) degree recognized on an official college transcript will have met the lower division general education requirements of bachelor's degree programs of any Oregon public university.

Students transferring under this agreement will have junior status for registration purposes. Each student is encouraged to work with an advisor in the selection of courses within the ASOT-CS degree for alignment to the transferring institution. Courses, class standing or GPA requirements for specific majors, departments or schools are not necessarily satisfied by an ASOT-CS degree.

## GRADUATION REQUIREMENTS

Students must complete a minimum of 90 credit hours with a cumulative Grade Point Average (GPA) of 2.0. All courses must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the degree is awarded. All Honors courses may substitute for their equivalent requirements.

Courses that are developmental in nature (designed to prepare students for college transfer courses) are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

## UNIVERSITY - SPECIFIC PREREQUISITES AND RECOMMENDATIONS

For specific university transfer requirements see the University Center.

## FOUNDATIONAL REQUIREMENTS

All courses must be completed with a grade of 'C' or better.

### WRITING

**Eight (8) credits** of writing are required, so choose **two (2) courses** from below:

Code	Title	Credits
WR121	English Composition	4
WR122 or WR227	English Composition Report Writing	4

*Note: Information Literacy is included through embedding the appropriate content and analytical activity in courses that count toward the writing Foundational Requirement.*

### MATHEMATICS

Code	Title	Credits
MTH251	Calculus I Differential Calculus	4
MTH252	Calculus II Integral Calculus	4

## COMMUNICATION

Select a **minimum of three (3) credits** of a fundamentals of speech or communication course.

Code	Title	Credits
SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3

## HEALTH, WELLNESS, AND FITNESS

Three (3) credits of PE185 sport/activity courses, HE250 Personal Health or PE231 Wellness for Life.

## DISCIPLINE STUDIES REQUIREMENTS

### ARTS AND LETTERS

**Three (3) courses** chosen from **two (2) or more disciplines**:

*Only second year foreign language courses fulfill the Arts and Letters category.*

Code	Title	Credits
ART115	Basic Design I Intro to Elements of Art and Principles of Design	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Design	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art: Introduction to Art History	3
ART205	History of Western Art: Introduction to Art History	3
ART206	History of Western Art: Introduction to Art History	3
ART225	Computer Art I	3
ART244	Bronze Casting	3
ART253	Ceramics I	3
ART256	Ceramics II	3
ART281	Painting I Beginning	3
ART282	Painting II Beginning	3
ART283	Painting III Beginning	3
ART284	Painting I Intermediate	3
ART285	Painting II Intermediate	3
ART286	Painting III Intermediate	3
ASL201	2nd Yr American Sign Language I	4
ASL202	2nd Yr American Sign Language II	4
ASL203	2nd Yr American Sign Language III	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature	3
ENG108	World Literature	3
ENG109	World Literature	3

ENG201	Shakespeare	3	CJ101	Intro to Criminology	4
ENG204	Survey of English Literature	3	ED169	Overview of Student Special Needs	3
ENG205	Survey of English Literature	3	ED258	Multicultural Education	3
ENG206	Survey of English Literature	3	GEOG105	Cultural Geography	3
ENG253	Survey of American Literature	3	HDFS140	Contemporary American Families	3
ENG254	Survey of American Literature	3	HDFS222	Understanding Families: Supporting Diversity	3
ENG255	Survey of American Literature	3		Disability and Risk	
HUM204	World Mythology & Religion	3	HDFS229	Child Development PreK - Adolescent	3
HUM205	World Mythology & Religion	3	HDFS247	Child Development 0-8	3
HUM206	World Mythology & Religion	3	HST101	History of Western Civilization	3
MUS101	Music Fundamentals	3	HST102	History of Western Civilization	3
MUS111	Music Theory I	3	HST103	History of Western Civilization	3
MUS112	Music Theory II	3	HST104	History of the Middle East	3
MUS113	Music Theory III	3	HST195	History of the Vietnam War	3
MUS201	Intro to Music and its Literature	3	HST201	History of the United States	3
MUS202	Intro to Music and its Literature	3	HST202	History of the United States	3
MUS203	Intro to Music and its Literature	3	HST203	History of the United States	3
MUS205	Intro to Jazz History	3	HST240	Hist of Oregon and the South Coast	3
MUS206	Intro to History of Rock and Roll	3	PS201	American Government: Political Institutions	3
MUS211	Advanced Music Theory I	3	PS202	American Government: Policy Issues	3
MUS212	Advanced Music Theory II	3	PS203	Local Politics and Government	3
MUS213	Advanced Music Theory III	3	PS205	International Relations: US Foreign Policy in the	3
PHL101	Introduction to Philosophy: Philosophical	3		20th Century	
	Problems		PSY100	Introduction to Psychology	4
PHL102	Ethics	3	PSY201	General Psychology	3
PHL103	Intro to Logic and Critical Thnkg	3	PSY202	General Psychology	3
SP100	Basic Speech Communications	3	PSY203	General Psychology	3
SP111	Fundamentals of Public Speaking	3	PSY216	Social Psychology	3
SP218	Interpersonal Communication	3	PSY228	Introduction to Social Science Research	3
SP219	Small Group Discussion	3	PSY231	Human Sexuality	3
SP220	Gender and Communication	3	PSY237	Life Span Development	3
SPAN201	Second Year Spanish	4	PSY239	Introduction to Abnormal Psychology	3
SPAN202	Second Year Spanish	4	PSY243	Drugs and Behavior	3
SPAN203	Second Year Spanish	4	SOC204	Introduction to Sociology	3
WR241	Imaginative Creative Writing Fiction	3	SOC205	Social Institutions and Change	3
WR242	Imaginative Writing Poetry	3	SOC206	Social Problems and Issues	3
WR243	Imaginative Writing Explorations	3	SOC208	Sociology of Sport	3
			SOC210	Marriage and Family	3
			SOC213	Racial and Ethnic Relations	3
			SOC218	Sociology of Gender	3

## SOCIAL SCIENCES

Two (2) courses chosen from two (2) or more disciplines:

Code	Title	Credits
ANTH201	Physical Anthropology and Evolution	3
ANTH202	Introduction to Archaeology	3
ANTH203	Language and Culture	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Cultural Anthropology II	3
ANTH223	Cultural Anthropology III	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3

## SCIENCE/MATHEMATICS/COMPUTER SCIENCE

Four (4) courses from two (2) or more disciplines, including at least three (3) laboratory courses in biological and/or physical science:

### Laboratory Courses

Code	Title	Credits
BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI201	Introductory Biology	4

BI202	Introductory Biology	4
BI203	Introductory Biology	4
BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
BI234	Microbiology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ENV235	Introduction to Soil Science	4
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GS104	Physical Science	4
GS105	Physical Science	4
GS106	Introduction to Earth Science	4
GS107	Astronomy	4
GS108	Oceanography	4
PH201	General Physics I: Mechanics	5
PH202	General Physics II: Heat, Waves, Relativity	5
PH203	Gen Physics III: Elect & Magnetism	5
PH211	General Physics with Calculus I	5
PH212	General Physics with Calculus II	5
PH213	General Physics with Calculus III	5

### Non-Laboratory Courses

Code	Title	Credits
BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Foundations of General, Organic, and Biochemistry	4
ENV110	Introduction Environmental Science	3
G221	General Geology	3
G246	Geological Hazards And Natural Catastrophes	3
MTH105	Math in Society	4
MTH111	College Algebra	4
MTH112	Trigonometry	4
MTH212	Fundamentals of Elementary Mathematics II	4
MTH213	Fundamentals of Elementary Mathematics III	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH244	Probability & Statistics II	4
MTH253	Calculus III Infinite Sequences And Series	4
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
MTH260	Matrix Methods and Linear Algebra	4
MTH264	Introduction to Matrix Algebra and Power Series	4

## COMPUTER SCIENCE - SPECIFIC REQUIRED COURSES

All courses must be completed with a grade of 'C' or better.

Code	Title	Credits
CS160	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4
CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
ECON201	Microeconomics	4
ECON202	Macroeconomics	4

## ELECTIVES

- Students may take any college-level course that would bring total credits to 90 including up to 12 credits of college-designated career and technical education. Eight to nine (8-9) credits, depending on choice of transfer institution.
- All courses must be completed with a grade of 'C' or better.
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the ASOT-CS degree.
- Three (3) credit hours of PE185 sport/activity courses may be granted toward the ASOT-CS for completion of military basic training. A copy of the military transcript or DD-214 is required.
- Courses numbered 199/299 will qualify as elective credit only.
- A maximum of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

## CULTURAL LITERACY

Students are required to complete at least one (1) course from any of the above discipline studies that meets the statewide criteria for cultural literacy. SWOCC offers these courses that satisfy the Cultural Literacy requirement.

Code	Title	Credits
ANTH201	Physical Anthropology and Evolution	3
ANTH202	Introduction to Archaeology	3
ANTH203	Language and Culture	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Cultural Anthropology II	3
ANTH223	Cultural Anthropology III	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
ED258	Multicultural Education	3
ENG107	World Literature	3
ENG108	World Literature	3
ENG109	World Literature	3
GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3

HUM204	World Mythology & Religion	3
HUM205	World Mythology & Religion	3
HUM206	World Mythology & Religion	3
HST104	History of the Middle East	3
MUS205	Intro to Jazz History	3
MUS206	Intro to History of Rock and Roll	3
PSY216	Social Psychology	3
PSY231	Human Sexuality	3
SOC208	Sociology of Sport	3
SOC210	Marriage and Family	3
SOC213	Racial and Ethnic Relations	3
SOC218	Sociology of Gender	3
SP220	Gender and Communication	3