

# Computer Science Transfer to Southern Oregon University Associate of Science Degree

Holland code family: Thinkers

[www.roguecc.edu/Counseling/HollandCodes/test](http://www.roguecc.edu/Counseling/HollandCodes/test)

## About the Program

This Associate of Science (AS) degree is based on a signed articulation agreement with Southern Oregon University (SOU). The program is designed for students transferring to its baccalaureate degree program in computer science. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 31-33 core credits within the major area. By completing all appropriate credits (including electives), students will have fulfilled all required lower-division coursework for transfer to SOU. Students should be aware, however, that if they transfer before completing this degree, courses will be evaluated individually toward the transfer requirements of the college of their choice.

## Entry Requirements

Students are required to complete the Placement Process to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill level as determined by the results of their placement assessment. In addition, students may also be required to enroll in classes that would increase their employability and success.

## Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

## Graduation Requirements

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Students should be aware that SOU requires a grade of "B" in CS161 and CS162 for transfer. Certain required courses are also graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

## What skills will you learn?

Visit <http://go.roguecc.edu/department/program-learning-outcomes>.

## What are the employment opportunities?

Visit <http://www.roguecc.edu/GainfulEmployment>.

## Prerequisites

Course No.	Course Title	Credits
CS__	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency <sup>1</sup>	0-4
MTH95	Intermediate Algebra or designated placement test	0-4
WR115	Introduction to Expository Writing or designated placement test score	0-3
<b>Total Prerequisite Credits</b>		<b>0-11</b>

## General Education Requirements

Course No.	Course Title	Credits
COMM225	Small Group Communication and Problem-solving or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication	3-4
LIB127	Introduction to Academic Research	1
MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH251	Calculus I	5
MTH252	Calculus II	5
WR121	English Composition I	4
WR122	English Composition II or WR227 Technical Writing	4
—	Approved humanities electives <sup>2</sup>	9-12
—	Approved science electives <sup>3</sup>	11-15
—	Approved social science electives <sup>4</sup>	9-12
<b>Total General Education Requirements</b>		<b>59-70</b>

## Core Requirements

Course No.	Course Title	Credits
CS125DB	Data Base Management Systems	3



CS133	Any CS133 programming language course	4
CS140	Introduction to Operating Systems	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS275	Data Base Development I	4
CS__	Approved computer science electives <sup>5</sup>	8-10

**Total Core Credits** 31-33  
**TOTAL PROGRAM CREDITS** 90-103

<sup>1</sup> Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement. Contact a computer science adviser to help determine placement.

## 2 Approved Humanities Electives

(complete at least three courses from the following list, 9-12 credits)

Course No.	Course Title	Credits
ART131	Introduction to Drawing	3
ART204,205,206	History of Art I, II, III	4-4-4
ENG104,105,106	Introduction to Literature	4-4-4
ENG107,108,109	World Literature	4-4-4
ENG201,202	Shakespeare I, II	4-4
ENG204,205,206	Survey of English Literature	4-4-4
ENG253,254,255	Survey of American Literature	4-4-4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101,102,103	Introduction to Humanities	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	History of Rock I, II, III	3-3-3
PHL101,102,103	Philosophical Problems/Ethics/Critical Reasoning	4-4-4
REL201	World Religions	4
REL243	Nature, Religion and Ecology	4
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

### 3 Approved Science Electives

(Complete at least three courses, two of which must have labs, from the following list, 11-15 credits. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100GB	Introductory Biology (non-lab course)	3
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III with lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI211,212,213	General Biology I, II, III with lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III with lab	4-4-4
BI234	Microbiology with lab	4
CHEM104	Introductory Chemistry I with lab and recitation	5
CHEM105,106	Introductory Chemistry II, III with lab	4-4
CHEM221,222,223	General Chemistry I, II, III with lab and recitation	5-5-5
CS195	Web Authoring I (HTML/CSS) (non-lab course)	4
ENV111	Introduction to Environmental Science (non-lab course)	3
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104,106,107,108	Physical Science with lab	4-4-4-4
GS170 *	Regional Field Studies with lab	4
PH201,202,203	General Physics I, II, III with lab and recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III with lab and recitation	5-5-5

### 4 Approved Social Science Electives

(complete at least three courses from the following list, 9-12 credits)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business	4
BA218	Personal Finance	3
CJ101/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
COMM237	Communication and Gender	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Cultural and Human Geography	3
GEOG120	World Regional Geography	3
HE250,HPE295	Personal Health/Health and Fitness for Life	3-3
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
IS110,111	Introduction to International Studies	4-3
PS201,202,203	American Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4

PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology, American Society	4-4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in the U.S.	4
SOC218	Sociology of Gender	4
SOC225	Social Problems and Solutions	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC235	The Chicano/Latino Historical Experience	4

### 5 Approved Computer Science Electives

(minimum 8-10 credits required)

Course No.	Course Title	Credits
CS133	Any CS133 programming language not taken as core requirement	4
CS160	Introduction to Computer Science	4
CS179	Introduction to Networks	4
CS233U	Advanced C++ Programming	4
CS234	Object Oriented Programming with C++	4
CS240L	Advanced Operating Systems: Linux	4
CS260	Data Structures	4
CS279	Network Operating Systems	4
EET240	Microcontrollers I	5
MTH253	Calculus III	5
MTH254	Calculus IV	5

Note: Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have the following requirement for admission to a four-year Oregon university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of "C" or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Computer Science Department:

Grants Pass	541-956-7213
Medford	541-245-7527
Toll free in Oregon	800-411-6508, Ext. 7213 or Ext. 7527
email	cs@rogucecc.edu
Web address	www.rogucecc.edu/cs
TTY	541-956-7338 or 541-245-7587

This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

RCC is an open institution and does not discriminate. For RCC's non-discrimination policy and a full list of regulatory specific contact persons visit the following webpage: [www.rogucecc.edu/nondiscrimination](http://www.rogucecc.edu/nondiscrimination).

