Software Engineering Technology Transfer to Oregon Tech

Associate of Science Degree

Holland code family: Thinkers

www.roguecc.edu/Counseling/HollandCodes/test

About the Program

This Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech (OT). The degree transfers directly into the bachelor's degree program at Oregon Tech in software engineering technology and graduates are guaranteed junior standing in the program. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 36 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to OT.

Students must work closely with their advisors to ensure transferability of this program. If students transfer before completing this degree or transfer in a major not covered by prior agreements, courses will be evaluated individually toward the transfer requirements of the college of their choice. Students are advised to obtain written approval from Oregon Tech to guarantee their catalog of transfer for three years.

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. Certain required courses are 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. Students should be aware that Oregon Tech requires a grade of "B" in CS233U and CS234U for transfer.

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 [1]	0-4
EET129	Introduction to Embedded Systems	5
MTH111/112	College Algebra/Elementary Functions	0-8
RD90	College Reading or designated placement test score	0-4
WR115	Introduction to Expository Writing or designated placement test score	0-3
Total Prerequisite Credits		**5-24**

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Academic Research	1
MTH251	Calculus I (Differential)	5
MTH252	Calculus II (Integral)	5
MTH254	Vector Calculus	5
PH211	General Physics I (Calculus based)	5
PH212	General Physics II (Calculus based)	5
PH213	General Physics III (Calculus based)	5
PSY202	General Psychology II	4
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I	4
WR122	English Composition II	4
WR227	Technical Report Writing	4

_____	Approved humanities electives [2]	7-8
TOTAL GENERAL EDUCATION REQUIREMENTS		**58-59**

Core Requirements

Course No.	Course Title	Credits
CS133U	Introduction to C++ Programming	4
CS140	Introduction to Operating Systems	4
CS233U	Advanced C++ Programming	4
CS234U	Object Oriented Programming with C++	4
CS260	Data Structures	4
EET125	Electronics Fundamentals I (DC)	5
EET130	Digital Fundamentals I	6
EET240	Microcontrollers I	5
TOTAL CORE CREDITS		**36**
TOTAL PROGRAM CREDITS		**94-95**

[1] 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 7-8 credits from the following list. A maximum of three performance or studio-based credits indicated by an asterisk are allowed.)

Course No.	Course Title	Credits
ART115,116*	Basic Design	3-3
ART131,132,133*	Introduction to Drawing	3-3-3
ART204,205,206	History of Art I, II, III	4-4-4
ART234,235,236*	Figure Drawing I, II, III	3-3-3
ART237,238,239*	Illustration	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
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
MUS101	Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory and Aural Skills I, II, III	4-4-4

MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

Note: Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have: 1) two years of the same high school-level world language, or 2) two terms of college-level world language with a grade of "C" or better for admission to a four-year Oregon college or university. If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have two years of same college-level world language.

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@roguecc.edu

Web address . . . . www.roguecc.edu/cs

TTY . . . . Oregon Telecom Relay Service, 711

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.roguecc.edu/nondiscrimination.

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