Computer Engineering Technology Transfer to Oregon Tech

Associate of Science Degree

Major Code: 240101T

2014-15 ACADEMIC YEAR

RCC Rogue Community College

About the Program

The Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech. The program is designed for students transferring to its baccalaureate degree program in Computer Engineering Technology, and graduates are guaranteed junior standing in the program upon transferring. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 56 core credits within the major area. By completing all appropriate credits (including electives), students will complete required lower division coursework for transfer to Oregon Tech.

Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees. Students must work closely with their advisors to ensure transferability. 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.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test 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 levels as determined by placement test scores. 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 four 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
—	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency [1]	0-4
EET112	Introduction to Mechatronics	5
MTH95	Intermediate Algebra or designated placement test score as shown on current indicator chart	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	0-3
Total Prerequisite Credits		**5-20**

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Library Research Methods	1
MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH251	Calculus I (Differential)	5
MTH252	Calculus II (Integral)	5
MTH254	Vector Calculus	5
PSY201	General Psychology I	4
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I [2]	4
WR122	English Composition II [2]	4
WR227	Technical Writing	4
—	Approved humanities electives [3]	7-8
Total General Education Credits		**51-52**

Core Requirements

Course No.	Course Title	Credits
CS133u	Introduction to C++ Programming	4
CS140	Introduction to Operating Systems	4
CS233u	Advanced C++ Programming	4
CS240L	Advanced Operating Systems (Linux)	4
EET125	Electronics Fundamentals I (DC)	6
EET126	Electronics Fundamentals II	7
EET130	Digital Fundamentals I	6
EET131	Digital Fundamentals II	6
EET132	Digital Fundamentals III	5
EET240	Microcontrollers I	5
EET241	Microcontrollers II	5
Total Core Credits		**56**
TOTAL PROGRAM CREDITS		**107-108**

[1] Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

[2] The 3-credit version of any speech or humanities course taken prior to 2009 will meet the same degree requirements as the current 4-credit version. Students must still complete all required courses in this degree and at least 90 applicable credits to receive an associate degree.

[3] 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
ART211	Survey of Visual Arts	3
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 I, II, III	4-4-4
ENG201,202,203	Shakespeare I, II, III	4-4-4
ENG204,205,206	Survey of English Literature I, II, III	4-4-4
ENG244	Introduction to Asian American Literature	4
ENG253,254,255	Survey of American Literature I, II, III	4-4-4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	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
MUS201,202,203	Introduction to Music and Its Literature I, II, III	4-4-4

(over)

MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
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
TA164,165,166	Writing for Theater	4-4-4

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 Manufacturing/Engineering Technology Department:

Grants Pass or Medford 541-245-7809
Toll free in Oregon .....800-411-6508, Ext. 7809
email .....lbonney@roguecc.edu
Web Address ..... www.roguecc.edu/Electronics
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.

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