

Associate of Science Degree (RCC)

Articulated with Bachelor of Science in Computer Science (SOU)

AY 2022/23

Valid until revised or terminated by RCC or SOU

About the Program

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

Students should contact the SOU Computer Science program 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.

Entry Requirements

Students are required to take the college placement test to determine skill level and readiness indicated by test scores. 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 colleges and universities will be accepted in accordance with college policies. A maximum of 24 "Professional/Technical" credits are transferable to SOU, and will be counted as elective credit. To ensure coursework is current, program courses over 5 years old must be reviewed and approved by the appropriate department head before being accepted toward course requirements.

Graduation Requirements

The Associate of Science Oregon Transfer degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Some required courses may be graded on a pass/no pass basis. A grade of "P" for these courses indicates a student earned a "C" or better grade.

Students who graduated from high school or completed a high school equivalency program in 1997 or after must have the following requirement for admission to Southern Oregon University 1) two years of the same high school-level language, or 2) two terms of college-level language with a grade of "C-" or better (may be first-year language which can be used as elective credits). Students planning to complete a Bachelor of Arts (BA) degree at a four-year school will be required to complete the equivalent of one year of study of a foreign language at the second-year level (or above) before graduation. Upon applying to SOU students will need to send SOU Admissions a official high school or college transcript that shows you have met this requirement. If the requirement is not met at the time of applying to SOU, you will need to work with SOU Academic Advising to help you with options on how to fulfill the requirement before graduation.

Course requirements

Writing & Oral Communication Skills **12 credits**

WR 121 English Composition I 4 credits
 WR 227 Technical Writing 4 credits
 or WR 122 English Composition 4 credits

Choose one COMM class:

COMM 111 Fundamentals of Public Speaking 4 credits
 COMM 218 Interpersonal Communication 4 credits
 COMM 225 Small Group Communication & Problem Solving 4 credits

Quantitative Reasoning (Mathematics) 1 course required*

Any one of these courses will serve to satisfy the AS math requirement and apply towards to BS in Computer Science

MTH 111 College Algebra 4 credits

MTH 112 Elementary Functions 4 credits

MTH 251 Calculus I 5 credits (this course is a required course for the SOU CS degree and can be taken at RCC or SOU)

MTH 252 Calculus II (this course is a required course for the SOU CS degree and can be taken at RCC or SOU)

*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 completed at RCC or at SOU. Please see your academic advisor for details.

Humanities 9-12 credits

Three courses from the [General Education Transfer Guide](#)

Social Science 9-12 credits

Three courses from the [General Education Transfer Guide](#)

Science 11-15 credits

Complete three courses from the [General Education Transfer Guide](#)

2 courses must include a lab

Core Requirements 31-33 credits

CS125DB Database Management Systems 3 credits

CIS140 Introduction to Operating Systems 4 credits

CS161U Computer Science I (C++) 4 credits

Must be completed with a grade of B or better to apply to the SOU CS major requirement

CS162U Computer Science II (C++) 4 credits

Must be completed with a grade of B or better to apply to the SOU CS major requirement

CS275 Data Base Development I 4 credits

Must be completed with a grade of B or better to apply to the SOU CS major requirement

CS Approved computer science electives 0-9 credits

Any CS133 programming language not taken as core requirement	4 credits
CIS179 Intro to Networks	4 credits
CS160 Introduction to Computer Science	4 credits
*CS234 Object Oriented Programming w/ C++ (B or better)	4 credits
CS240LX Advanced Operating Systems: Linux	4 credits
CS260 Data Structures	4 credits
*CS279 Network Operating Systems (B or better)	4 credits
*CIS 195 Web Development I	4 credits
EET 240 Microcontrollers I	5 credits
MTH253 Calculus III	5 credits
MTH254 Calculus IV	5 credits

EET 240, CS279, and CS275 will transfer to satisfy SOU CS major program required courses but will not count towards the 60 upper division courses needed to graduate. See and academic advisor for details.

* Recommended courses, because of additional transfer credit

RCC CS279 == SOU CS 336 Networks I

RCC CIS 195 == SOU CS 210 Web Development I

RCC CS 234 == SOU CS 357 Object-Oriented Programming

Total program credits: 90-100 credits

Contact Information:

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