

## **Associate of Science Degree (RCC)**

### **Articulated with the Bachelor of Science in Computer Science (SOU)**

AY 2024/25

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.

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 an 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.

### **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.

Choose one of the following ways to complete SOU's lower division general education Capacity requirements.

1. Complete the requirements for the Oregon Transfer Module at RCC.
2. Complete the AAOT or ASOT requirements at RCC.
3. Work closely with an academic advisor to complete courses at RCC that will meet the SOU lower division general education Capacity requirements.

## **A guide to completing the SOU Lower Division General Education Capacities with RCC courses**

### **Purposeful Learning Requirement 12 credits:**

This can be met by transferring WR 121Z, WR 122Z and WR 227 together or WR 121Z, WR122Z and one of the following COMM courses:

COMM 111Z Public Speaking

COMM 218Z Interpersonal Communication

COMM 225 Small Group Communication and Problem Solving

The following Lower Division General Education Capacities may be met with courses required for the AS degree. Be mindful when choosing courses to meet the Capacities that are not met by required courses for the AS. Subject codes cannot be repeated. The subject code is the one assigned once the course transfers to SOU regardless what subject code was assigned at RCC. Work closely with your advisor to find the courses that best fit your path.

### **Purposeful Learning 4 credits**

The RCC AS degree requires WR 122Z or WR 227Z. Students will need to complete WR 122Z to meet the PL requirement if they take WR 227.

### **Communication and Expression 3 credits**

RCC recommends PSY 101 Psychology of Human Relations, this course will transfer to meet SOU's LD Communication & Expression and can will also meet RCC's AS Social Science requirement

### **Creativity and Innovation 4 credits**

CIS 195 is a required course for the AS degree at RCC and will transfer to meet this Capacity

### **Inquiry and Analysis 1 course 3-4 credits**

Take 1 course that is approved for the Inquiry & Analysis from the [SOU transfer guide](#).

### **Numerical Literacy 4 credits**

MTH 111Z is required for the AS degree at RCC and will meet this Capacity.

### **Equity Diversity and Inclusion 1 course 3-4 credits**

Take 1 course that is approved for Equity, Diversity & Inclusion from the [SOU transfer guide](#).

21-23 credits LDGE

## **Core courses required to earn the AS degree at RCC**

38 credits not counting courses already applying to SOU's Lower Division GE

CIS 145 - Introduction to Hardware/Software 5 Credit(s)  
 CIS 125DB - Database Management Systems 3 Credit(s)  
 MTH 112Z - Precalculus II: Trigonometry 4 Credit(s)  
 CS 160 - Introduction to Computer Science 4 Credit(s) or approved programming language course  
 MTH 251 - Calculus I (Differential Calculus) 5 Credit(s)  
 CS 161U - Computer Science I (C++) 4 Credit(s)  
 CS 162U - Computer Science II (C++) 4 Credit(s)  
 MTH 252 - Calculus II (Integral Calculus) 5 Credit(s)  
 CS 275 - Data Base Development I 4 Credit(s)

The following courses are required for the RCC AS degree and will apply to SOU's LDGE.

WR 121Z - Composition I 4 Credit(s)  
 WR 227Z - Technical Writing 4 Credit(s) or WR 122Z  
 MTH 111Z - Precalculus I: Functions 4 Credit(s)  
 COMM 225 - Small Group Communication and Problem-solving 4 Credit(s) or COMM 100Z or COMM 111Z or COMM 218Z  
 CIS 195 Web Authoring I 4 credits

LDGE and Core courses credit total 59-61

## **Other Requirements to complete the RCC AS degree**

Students' should work with an RCC Academic Advisor to find approved courses. Some of these courses may also satisfy remaining SOU LDGE requirements.

### **Humanities 9-12 credits**

Complete 3 courses from the RCC approved list

### **Social Science 9-12 credits**

Complete at least 3 courses from the RCC approved list

### **Science 11-15 credits**

Complete at least three courses, two of which must have labs from the RCC list.

## **Approved program electives**

Students need 90 credits to earn the AS degree at RCC, if necessary complete a sufficient number of courses from the list below to meet total degree requirement of at least 90 credits.

CIS 179 - Introduction to Networks 4 Credit(s)  
 CIS 240LX - Advanced Operating Systems - Linux 4 Credit(s)

CIS 279 - Network Operating Systems 4 Credit(s)  
CS 133C - Programming Using C Sharp 4 Credit(s)  
CS 234U - Object Oriented Programming in C++ 4 Credit(s)  
CS 260 - Data Structures I 4 Credit(s)  
EET 240 - Microcontrollers I 5 Credit(s)  
MTH 253 - Calculus III - Infinite Series 5 Credit(s)  
MTH 254 - Calculus IV - Vector Calculus 5 Credit(s)

90 credits

**Contact Information:**

RCC

Rosie Converse-Soriano Computer Science Department Chair

[MConverse@roguecc.edu](mailto:MConverse@roguecc.edu)

541-956-7051

SOU

Maggie Vanderberg, Computer Science Chair

[vanderbem@sou.edu](mailto:vanderbem@sou.edu)

541-552-6974