

Proposal for Associate of Science Oregon Transfer Degree - Computer Science (ASOT-CS)

General Guidelines

- A student must complete a total of **90 quarter credits** or more to be awarded the AS/OT-CS.
- All courses should be aligned with the student's intended program of study and the degree requirements of the baccalaureate institution and program to which the student plans to transfer. A student is encouraged to work with an advisor in the selection of elective courses within the AS/OT-CS degree for alignment to the institution the student intends to transfer.
- All Foundational Requirements and Discipline Studies courses must be a **minimum of 3 credits**, except for Health/Wellness/Fitness courses, which may be any number of credits. All Elective courses may be any number of credits.
- All courses must be passed with a grade of **"C-" or better**. Students must have a minimum cumulative **GPA of 2.0** at the time the AS/OT-CS is awarded. (note: many CS programs have competitive admission, minimum GPA and grades will not generally be high enough to gain admission to competitive programs)

Foundational requirements

- Writing - 8/9 credits
Students taking writing courses of three credits each must take WR-121, WR-122, and WR-227. Students taking writing classes of four credits each must take WR-121 and either WR-122 or WR-227. Information Literacy will be included in the writing requirement. (Note: WR-227 will meet additional requirements at some CS baccalaureate programs)
- Oral Communication - 3 credits
One course in the fundamentals of speech or communication designated by the college as meeting the statewide criteria for speech communication.
- Mathematics - 8 credits
Must include at minimum MTH-251 Differential Calculus and MTH-252 Integral Calculus.
- Health/Wellness/Fitness - 3 credits
One or more courses totaling at least three credits.

Discipline Studies

- Arts and Letters: Three courses chosen from two or more disciplines. Each course must be a minimum of 3 credits.
- Social Sciences: Four courses chosen from two or more disciplines. Each course must be a minimum of 3 credits.
- Science/Math/Computer Science: Four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science. Each course must be a minimum of 3 credits.
- Cultural Literacy: Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy. Each course must be a minimum of 3 credits.
- Computer Science specific requirements:
A minimum of sixteen credits in Computer Science consisting of the following courses. Each course in this section must be completed with a grade of "C" or better (note: many CS programs have competitive admission, minimum GPA and grades will not generally be high enough to gain admission to competitive programs). Each course must be a minimum of 3 credits.

Required courses are:

- CS 160: Introduction to Computer Science
- CS 161: Computer Science 1
- CS 162: Computer Science 2
- CS 260: Data Structures

Electives

- Complete additional courses to bring the total number of credits to at least 90; varies depending on the student's selection of courses to meet the requirements above. Please carefully plan this in consultation with university specific CS program requirements. A current guide for university specific, lower division CS requirements is maintained at <http://occcwiki.org> or consult with an advisor from the target university program.
- Lower division courses taken at the community college may not meet the requirements of an upper division course with a similar title and content offered by an Oregon public university Computer Science program. In such cases, the courses in question will normally transfer as electives. The AS/OT-CS degree may include up to 12 approved professional/technical credits as electives.