

Associate of Science Transfer in Computer Science

Overview

The Associate of Science Transfer in Computer Science (AST-CS) degree is designed for students planning to transfer credits to an Oregon public university and seek entry into that institution's Computer Science program. Students completing the AST-CS will have met the lower-division General Education requirements of an Oregon public university's baccalaureate degree program. Students transferring will have junior status for registration purposes.

Admission to an Oregon public university is not guaranteed upon completion of the AST-CS degree. Some institutions have specific requirements for admission. Examples include: a higher minimum GPA requirement, a requirement that specific courses within the AST-CS be taken for a letter grade (meaning that courses taken P/NP will not be accepted), or additional coursework. It is strongly recommended that students contact the specific Oregon public university's early in the first term of their AST-CS course work to be advised of admission requirements.

Academic Requirements

The AST-CS is awarded to students who meet the following:

1. [Associate Degree Comprehensive Requirements](#)
2. Associate of Science Transfer in Computer Science Requirements

All courses must be passed with a grade of "P" or "C" or better. Students must have a minimum cumulative GPA of 2.0 at the time the AST-CS is awarded.

A. Foundational Requirements: Courses must be a minimum of three credits.

- Writing:* Writing: WR 121. A student must have at least eight credits of writing; student may need to complete WR 121, WR 122, and WR 227 to meet the eight credit requirement.
- Oral Communication: COMM 111.
- Math:* MTH 111, MTH 112, MTH 251, and MTH 252 are required, other universities may also require 8 credits of Discrete Mathematics.

* Basic Competency Requirements for Writing and Math will be met by successfully completing these courses. The Information Literacy requirement is satisfied by successful completion of the Writing courses.

B. Discipline Studies: Students must complete at least 11 Discipline Studies courses from the General Education/ Discipline Studies List. All courses in Discipline Studies must be a minimum of three credits. A course may count toward Foundational Requirements or Discipline Studies but not both.

- Arts and Letters: Complete at least two courses chosen from at least two disciplines in this area for a minimum 6 credits. Must be an AAOT-approved course.
- Social Sciences: Complete at least two courses chosen from at least two disciplines in this area for a minimum 8 credits. Must be an AAOT-approved course.
- Science/Math/Computer Science: Complete at least four courses in at least two disciplines. BI 211 and BI 212 or CH 221 and CH 222 recommended for lab science. MTH 111 and MTH 112 required for mathematics. Some colleges may require an additional level in BI 213 or CH 223.

- Cultural Literacy: Students must select one course from any of the Discipline Studies that is designated as meeting the statewide criteria for cultural literacy (as indicated on the General Education/Discipline Studies List). This course can be one of the 11 required Discipline Studies courses.

C. Computer Science-specific requirements: Each course must be completed with a "P" or "C" or better. MTH 231, MTH 232, and CS 205 may be required by some universities. Core requirements are MTH 251, MTH 252, CS 160, CS 161, CS 162, and CS 260.

D. Elective credit requirements: All candidates must complete elective credits to meet the overall requirement of 98 credits for this degree. Elective courses may be any number of credits. Elective credits may include any lower division collegiate course. A maximum of 12 credits of Career and Technical Education courses may be applied to this degree. One-credit Management/Supervisory Development (MSD) workshops may not be applied to this degree. A maximum of three credits of Physical Education (PE) may be applied to this degree.

University Specific Prerequisites, Recommendations

Each Oregon public university has different requirements for its Computer Science program; in some cases, meeting the minimum requirements of the AST-CS degree will not fulfill the eligibility requirements for admission to the school's Computer Science program. Examples of eligibility requirements include: a higher minimum GPA for admission than is required for the AST-CS, a requirement that specific courses within the AST-CS degree be taken for a letter grade (courses taken P/NP will not be accepted), or additional coursework beyond that included in the AST-CS. Students are advised to contact their Oregon public university destination's Computer Science program early in the first term of their AST-CS course work to be advised of admission and additional course requirements beyond those stipulated above.

AST-CS Outcomes

Students who complete this degree should be able to:

- Demonstrate the ability for sound reasoning and problem-solving by planning, documenting, implementing, testing, and executing computer solutions to real-life problems.
- Apply knowledge of mathematics in the development of computer algorithms and solutions.
- Discuss key ethical issues and global concerns in relation to the field of computer science, and their responsibility to this field as computer science professionals of the future.
- Research, identify, evaluate, analyze, select, and implement current technologies as appropriate in order to implement effective solutions.

Program: [Associate of Science Transfer in Computer Science](#)

Type: Associate Degree

Total credits:

98-100
