COMPUTER SCIENCE - PSU, OSU, UO TRANSFER TRACK - ASSOCIATE OF SCIENCE TRANSFER DEGREE

Overview

This **Associate of Science Transfer in Computer Science** (AST–Computer Science) degree is designed for students intending to transfer to a computer science program at Portland State University (https://www.pdx.edu/engineering/cs/), Oregon State University (https://engineering.oregonstate.edu/academics/programs/computer-science/), or University of Oregon (https://scds.uoregon.edu/cs/). The curriculum includes foundational coursework in computer science, programming, and mathematics, along with general education requirements that prepare students for upper-division study. Students are encouraged to work with an advisor and their intended transfer institution to select appropriate coursework.

Completion of the AST–Computer Science degree also fulfills the statewide Major Transfer Map (MTM) (https://www.oregon.gov/highered/about/transfer/Documents/Transfer-Resources/Transfer%20MOUs/MTM-CAP%20in%20Computer%20Science-2024.pdf) for Computer Science and the Oregon Core Transfer Map (CTM) (https://catalog.mhcc.edu/degree-certificate-requirements/oregon-transfer-foundational-curriculum/), supporting efficient transfer and application of credits toward a bachelor's degree.

This program is specifically designed for transfer to a four-year institution and is not intended for direct workforce entry upon completion of the associate degree.

Refer to the tabs on this page for additional information about:

- **Requirements** - outlines all courses required for completion of the degree
- **Education Plan (p.)** - provides a sample term-by-term sequence of courses
- **Career Info** - includes information on potential occupations, employment trends, and earnings

Program Requirements

The degree requirements below outline the courses and credit categories required to complete the **Associate of Science Transfer in Computer Science (PSU / OSU / OU)** degree, including science core and general education requirements. Expand each section to view eligible courses that may be used to fulfill specific requirements.

For a suggested term-by-term sequence, refer to the **Education Plan** tab.

Code	Title	Credits
Computer Science Core, 5 courses		**20**
CS160	Computer Science Orientation	
CS161	Computer Science I	
CS162	Computer Science II	
CS205	Systems Programming and Architecture	
CS260	Data Structures	
Discrete Structures, 2 courses		**8**
CS250	Discrete Structures I	
CS251	Discrete Structures II	
Mathematics, 2 courses		**8**
MTH251Z	Differential Calculus	
MTH252Z	Integral Calculus	
Written Communication, 2 courses		**8**
WR121Z	Composition I	
WR227Z	Technical Writing	
Oral Communication, 1 course		**4**
COMM111Z	Public Speaking	
Arts & Letters - 2 courses from AAOT list (including one course that meets Cultural Literacy criteria)		**6-8**
Arts & Letters AAOT list (https://catalog.mhcc.edu/degree-certificate-requirements/aaot/#arts-letters)		
Social Science, 2 courses from AAOT list		**6-8**
Social Science AAOT list (https://catalog.mhcc.edu/degree-certificate-requirements/aaot/#arts-letters)		
Lab Science, 1 sequence		**12-15**
Biology Sequence		
BI221Z & BI222Z & BI223Z	Principles of Biology: Cells and Principles of Biology: Organisms and Principles of Biology: Ecology and Evolution	
Chemistry Sequence		
CH221Z & CH227Z	General Chemistry I and General Chemistry I Laboratory	
CH222Z & CH228Z	General Chemistry II and General Chemistry II Laboratory	
CH223Z & CH229Z	General Chemistry III and General Chemistry III Laboratory	
Biology & Chemistry Sequence		
CH221Z & CH227Z	General Chemistry I and General Chemistry I Laboratory	
BI221Z & BI222Z	Principles of Biology: Cells and Principles of Biology: Organisms	
Geology Sequence		
G201 & G202 & G203	Principles of Physical Geology 1 and Principles of Physical Geology 2 and Principles of Historical Geology	
Physics Sequence		
PH201 & PH202 & PH203	General Physics I and General Physics II and General Physics III	
Physics with Calculus Sequence		
PH211 & PH212 & PH213	General Physics with Calculus I and General Physics with Calculus II and General Physics with Calculus III	
Electives, if needed to reach 90 applicable degree credits		**18**
Total Credits		**90**

Recommended Electives

- **PSU**: MTH253Z, MTH261, Additional Arts & Letters or Social Science course
- **OSU**: WR122Z

Career Information

Explore potential careers related to this program, including typical job roles, employment trends, and projected growth. This information can help you better understand how your education may align with future career opportunities.

★ Course offered online
Cultural Literacy course