COMPUTER SCIENCE

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pcc.edu/programs/computer-science/

DESCRIPTION

Computer science is the study of information systems, their representation, architecture, and implementation, used for a variety of practical and theoretical purposes. Computer science addresses methods by which data is accessed, stored, and retrieved, which include areas such as representational computation, programming languages, algorithmic modeling, and software design, testing and development. Computer scientists apply their knowledge of mathematics, physics, and logic to solve a variety of problems using diverse technology.

Students learn practical methods of reasoning, problem-solving, and theoretical analysis to develop their skills in computer science. While exploring general courses in programming, systems analysis, mathematics, and physics, students apply their skills to core challenges within the field. PCC offers students the opportunity to earn an Associate of Arts Oregon Transfer (AAOT) degree, or Associate of Science (AS) degree. Students may also complete courses as preparation for a bachelor's or advanced degree or update skills to industry standards. Students wishing to transfer credits must check the specific requirements of the college/university to which they intend to transfer, and should seek Academic Advising for help in tailoring a transfer degree to accommodate the requirements of their chosen major. Computer Science transfer guides exist for Portland State University, Oregon State University, the University of Oregon, the Oregon Institute of Technology, and other Oregon institutions offering Computer Science degrees.