

WSUV SCHOOL OF ENGINEERING AND COMPUTER SCIENCE
EDUCATIONAL OBJECTIVES AND PROGRAM OUTCOMES
Computer Science

Educational Objectives

As a graduate of the WSU Vancouver Computer Science program:

1. You will be a knowledgeable and skilled computer scientist.
2. You will exhibit the workplace behaviors expected by employers.
3. You will be committed to high standards of professionalism.
4. You will adapt to the changing landscape of computer science.

Program Outcomes

Our students will have:

- a. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- b. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- c. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- d. An ability to function effectively on teams to accomplish a common goal.
- e. An understanding of professional, ethical, legal, security and social issues and responsibilities.
- f. An ability to communicate effectively with a range of audiences.
- g. An ability to analyze the local and global impact of computing on individuals, organizations, and society.
- h. Recognition of the need for and an ability to engage in continuing professional development.
- i. An ability to use current techniques, skills, and tools necessary for computing practice.
- j. An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- k. An ability to apply design and development principles in the construction of software systems of varying complexity.