

COMPUTER SCIENCE - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: <https://cwi.edu/program/computer-science>

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Understand the fundamentals of computer science.
- Apply fundamental principles and methods of computer science to a wide range of applications.
- Apply mathematical and scientific reasoning to a variety of computational problems.
- Design, correctly implement, and document solutions to significant computational problems.
- Develop proficiency in the practice of computing.
- Formulate solutions to computing problems.
- Analyze and compare alternative solutions to computing problems.
- Design and implement software systems that meet specified design and performance requirements.
- Apply algorithmic and mathematical concepts to the design and analysis of software.
- Apply sound principles to the synthesis and analysis of computer systems.
- Prepare for continued professional development.
- Work effectively in teams to design and implement solutions to computational problems.
- Communicate effectively, both orally and in writing.
- Think critically and creatively, both independently and with others.
- Recognize the social and ethical responsibilities of a professional working in computer science.
- Adapt to new developments in the field of computer science.