

COMPUTER SCIENCE, ASSOCIATE OF SCIENCE (407)

About Our Program

This program is intended to provide the first two years of a baccalaureate program. Majors in this program study the theory, design, development, and application of computer technology for storing and manipulating data and managing information.

Nature of Work and Employment

Computer Science majors need to be well organized, precise, and have attention for detail. They must interact with a wide variety of individuals in order to well define the computer assignments to be accomplished. Common jobs students have had one year after graduating from a four-year baccalaureate program in this major are computer programmer, systems analyst, network analyst, information system specialist, and systems manager.

Special Considerations

The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements and specific university requirements in this major. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students.

Requirements

Associate of Science Requirements

Students must meet all requirements for the Associate of Science degree (<https://catalog.highland.edu/programs-available/as-requirements/>) in order to graduate from Highland Community College. For more information, please see your advisor.

Recommended Courses

Code	Title	Hours
INFT 180	Intro to Information Systems ¹	3
INFT 190	Prin of Computer Science I ¹	3
INFT 290	Prin of Computer Science II ¹	3
MATH 250	Analytic Geometry/Calculus I ¹	5
MATH 255	Analytic Geometry/Calculus II ¹	5

¹ Course has a prerequisite. See course description.

NOTE: Students should check with their student advisor or a computer science faculty member to ensure their choices in the math and science elective areas are appropriate.

Program Outcomes

Students who complete this program of study will be able to:

- Apply computing knowledge appropriate to the emphasis/discipline.
- Solve problems in an information technology environment.
- Demonstrate professional behavior and ethical conduct.
- Demonstrate appropriate social and communication skills.
- Analyze the local and global impact of computing on society.
- Utilize data to help in the decision-making process.

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Matt Magee, Dean of Agriculture, Business & Technology
- Jeremy Monigold, Information Systems Faculty
- Beth Groshans, Student Advisor