The Computer Science Program is a program that is designed to prepare students for a variety of entry-level positions in a networked environment within the computer science industry, and to provide additional training or further advancement to those already employed in the computer science profession. The program design includes the core curriculum, a general computer science core, skills courses, and courses specific to the computer science areas.

Program Outcomes
At the completion of this program, the student should be able to:

- Describe the major hardware and software components of a computer system
- Describe networking technologies used in computer networks
- Compare and contrast various types of computer operating system
- Identify network boundaries and topologies within a network diagram
- Explain the operation of various networking protocol feature
- Demonstrate the use of network monitoring and troubleshooting tools
- Demonstrate configuration of networking devices, such as switches and routers
- Analyze a given set of network diagnostic test results in order to identify a network problem
- Design a network given a set of requirements and constraints

The College Core Requirements

- Computer Science Core
  - ENG 101 English Composition I: 3 credits
  - ENG 102 English Composition II*: 3 credits
- History/Government Core: 3 credits
- IDS 167 First Year Seminar: 3 credits
- Math Core: 3 credits
- Natural Science Core: 4 credits
- Social Science/Psychology Core: 3 credits

Program Requirements

- Business Elective: 3 credits
- CSI 111 Digital Computer Hardware: 3 credits
- CSI 116 Introduction to Programming: 3 credits
- CSI 217 Operating Systems*: 3 credits
- CSI 226 UNIX with Linux: 3 credits
- CSI 242 Computer System Security*: 3 credits
- CSI 244 Networking I: 3 credits
- CSI 245 Networking II*: 3 credits
- CSI 246 Networking III*: 3 credits
- Program Electives: 6 credits
- SOC 112 Interpersonal Communication: 3 credits

Total credits required for graduation: 61 credits

Program Electives

- CSA 213 Database Management: 3 credits
- CSI 235 Computer Architecture*: 3 credits
- CSI 243 Server Based Operating Systems*: 3 credits
- CSI 247 Advanced Database Management*: 3 credits
- CSI 265 Linux System Administration*: 3 credits
- CSI 297 Computer Science Internship*: 3 credits
- Math Elective (MAT 107 or higher): 3 credits

Additional Information
1. Natural Science Core: Recommended to complete PHY 111 General Physics w/lab
2. Business Elective: Complete either BUS 202 or BUS 220.

*Indicates course requires the completion of a prerequisite.