

Computer Science Major

Major Course Work

General Education	46
Computer Science Major	57

Computer Science Foundation Courses	24
CIS 132 Principles of Computing and Information Systems	3
140 Introduction to Microcomputer Operating Systems	3
171 Networking I	3
360 Comp Info Sys: Analysis & Design	3
366 Introduction to Database	3
372 Computer Hardware	3
CSC 150 Programming Fundamentals I	3
480 Seminar in Computer Science	3

Computer Science Core Courses	27
CSC 160 Programming Fundamentals II	3
310 Data Structures	3
320 Computer Organization	3
340 Object-Oriented Programming	3
380 Advanced Operating Systems	3
440 Server Management	3
CIS 361 Comp Info Sys: Design, Implementation, Evaluation	3
CSC/CIS electives numbered 300 or above*	6

Math Support Courses	6
MAT 305 Discrete Mathematics	3
plus 3 hours selected from:	3
MAT 180 Applied Probability and Statistics (3)	
320 College Geometry (3)	
350 Linear Algebra (3)	
410 Probability and Statistics (3)	

General Electives	22
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Total Semester Credit Hours **125**

Goals & Objectives

The computer science program is designed to provide students with a solid foundation in the general field of computing and its applications in business, industry, government, and education. Students graduating from this program should be well prepared to pursue computer-related careers in these fields or to pursue an advanced degree in computer science or a related field.

Job Opportunities

Graduates of the Computer Science program can pursue occupations that are concerned with applications of computers and computer languages and how the computer is used in business and industry. Some career possibilities are listed below:

- Software Engineer
- Computer Programmer
- Programmer Analyst
- Engineering Programmer
- Systems Programmer
- Systems Analyst
- Network Central Operators & Supervisors
- Data Communications Analyst
- Computer Security Coordinator

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