Computer Science Major

The number of courses required for the major is 16 (50 semester hours).

Requirements:

All of the following (47 sem. hrs.)

- CS 131  Programming I: Procedural Methods (3 sem. hrs.)
- CS 132  Programming II: Object Orientation (3 sem. hrs.)
- CS 225  Computer Organization and Assembly Language Programming (3 sem. hrs.)
- CS 233  Object-Oriented Programming (3 sem. hrs.)
- CS 234  Data Structures (3 sem. hrs.)
- CS 322  Algorithms (3 sem. hrs.)
- CS 325  Database Systems (3 sem. hrs.)
- CS 326  Machine Learning (3 sem. hrs.)
- CS 341  Linux System Administration (3 sem. hrs.)
- MATH 111  Calculus I: Introduction to Calculus (4 sem. hrs.)
- MATH 212  Linear Algebra (3 sem. hrs.)
- MATH 251  Mathematical Statistics (3 Sem. hrs.)
- MATH 267  Discrete Mathematics I (3 sem. hrs.)
- MPS 402  Senior Seminar in Mathematical and Physical Sciences I (23sem. hrs.)
- PHYS 221L  Principles of Electronics (4 sem. hrs.)

AND

One of the following (3 sem. hrs.)

- MATH 300  Probability Theory (3 Sem. hrs.)
- MATH 305  Operations Research (3 Sem. hrs.)
What can I do with this major?

See below for examples of what you can do with a Computer Science major after graduation!

For more information, see the full results at [http://whatcanidowiththismajor.com/major/](http://whatcanidowiththismajor.com/major/)

**Programming**
- Operating Systems
- Application Systems
- Scientific
- Engineering
- Business
- Maintenance
- Research and Development

**Systems Development**
- Planning/Analysis
- Design
- Building/Coding
- Integration/Testing
- Operations/Maintenance
- Project Management

**Network Technology**
- Intranet
- Development
- Installation
- Testing
- Monitoring
- Maintenance
- Security
- Support
- Hardware Design
- Software Design

**Database Administration**
- Development
- Installation
- Testing
- Maintenance/Support
- Archiving/Security
- Upgrading
- Systems Integration
- Management