



Wells College

Name: _____

Advisor: _____

Graduation Year: _____

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 303 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 (3 sem. 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/>

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