



Wells College

Name: _____

Advisor: _____

Graduation Year: _____

Computer Science Major

The number of courses required for the major is 14 (43-45 semester hours). At least four of these courses (12 semester hours) must be at the 300-level or above. Internships may not be used to fulfill major requirements.

Requirements:

All of the following (30 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.)
- MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
- MATH 112 Calculus II: Introduction to Calculus (4 sem. hrs.)
- MATH 267 Discrete Mathematics I (3 sem. hrs.)
- MPS 402 Senior Seminar in Mathematical and Physical Sciences I (2 sem. hrs.)
- MPS 403 Senior Seminar in Mathematical and Physical Sciences II (2 sem. hrs.)
- PHYS 111L Fundamentals of Physics I (4 sem. hrs.)

AND

Three of the following (9 sem. hrs.)

- CS 310 Software Engineering (3 sem. hrs.)
- CS 322 Algorithms: Design and Analysis (3 sem. hrs.)
- CS 325 Database Systems (3 sem. hrs.)
- CS 340 Unix/Linux Systems Administration (3 sem. hrs.)
- CS 345 GUI Programming (3 sem. hrs.)
- CS 285/385 Topics in Computer Science (3 sem. hrs.)
- MATH 301 Applied and Computational Mathematics (3 sem. hrs.)

AND

Two courses in mathematics, computer science, or physics above the 100-level. (6-8 sem. hrs.)

_____ and _____

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