

Computer Science 2017 - 2018

Major Requirements:

A Bachelor of Science degree in computer science requires that a student successfully complete:

- **CPSC 155** - Computer Programming
- **CPSC 165** - Computer Programming II – Data Structures
- **CPSC 245** - Operating Systems
- **CPSC 275** - Windows-Based Application Development
- **CPSC 280** - Web Development
- **CPSC 285** - Database Design and Programming
- **CPSC 299** - Community-Based Learning
- **CPSC 321** - Web Development II
- **CPSC 323** - Advanced Data Structures and Algorithm Analysis
- **CPSC 430** - Systems Analysis and Design
- **CPSC 455** - Internship (at least 1 credit hour)
- **CPSC 475** - Senior Software Development Experience
- Nine additional semester hours of computer science courses.
- **MATH 240** - Discrete Structures
- **ENGL 336** - Writing at Work
- Either **CAS 200** - Business & Professional Speech or **CAS 320** - Organizational Communication & Behavior

Minor Requirements:

Students interested in a computer science minor must complete:

- **CPSC 155** - Computer Programming
- **CPSC 165** - Computer Programming II – Data Structures
- Four additional computer science courses at the 200 level or above (excluding **CPSC 299**)

For up-to-date requirements and full course descriptions, please consult the official current bulletin.

Courses:

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| CPSC 140 - Intro to Computer Prog for Non-Majors | CPSC 434 - Principles of Unix |
| CPSC 155 - Computer Programming | CPSC 446 - Mobile Applications Development |
| CPSC 165 - Computer Programming II - Data Structures | CPSC 447 - Game Development |
| CPSC 245 - Operating Systems | CPSC 450 - Independent Study |
| CPSC 275 - Windows-Based Application Development | CPSC 455 - Internship |
| CPSC 280 - Web Development | CPSC 461 - Advanced Topics in Computer Science |
| CPSC 285 - Database Design and Programming | CPSC 471 - Senior Project |
| CPSC 299 - Community-Based Learning | CPSC 475 - Senior Software Development Experience |
| CPSC 320 - Information Security | |
| CPSC 321 - Web Development II | |
| CPSC 323 - Advanced Data Structures and Algorithm | |
| CPSC 340 - Network Programming | |
| CPSC 361 - Computer Architecture | |
| CPSC 415 - Advanced Database Development | |
| CPSC 425 - Artificial Intelligence | |
| CPSC 430 - Systems Analysis and Design | |

CS Course Chart 2017-2018

