Welcome to the Computer Science Department

Thank you for your interest in the Computer Science program at the University of Idaho. We are looking forward to working with you as you pursue your degree. Once you are admitted to our program you will be assigned an academic advisor. We strongly encourage you to learn more about the University and about our department by visiting with us online. To learn more about the department, our program and our faculty, go to www.cs.uidaho.edu. For more information about the University, go to www.uidaho.edu. Contact us with any questions.

Degrees offered:
B.S. Computer Science
M.S. Computer Science
PhD. Computer Science

Undergraduate Program
As a computer science major you will have one-on-one interaction with your professors, the ability to work with faculty to tailor your education to your interests, and the opportunity to be involved in award-winning, cutting edge research with a Computer Science department of national distinction. Choose from advanced courses in computer and network security, games and virtual environments, embedded systems, distributed and network computing, fault tolerant systems, artificial intelligence, evolutionary computing, computer architecture, software engineering, and database systems.

What is a Computer Scientist?
As a computer scientist you can use evolutionary computation to program robots that can clear countries of landmines, or simulate international relations scenarios seeking to reduce conflict. You can design features for an MP3 player or help people find better answers online. You can devise methods to maintain the safety of the financial network and electric power grid. You can even step into artificial worlds and provide new ways for people to communicate with others. You can apply your skills to help others in almost every other discipline including medicine, performing arts, engineering, biology, business, political science and others.
## COMPUTER SCIENCE – 5-Year Plan

**AN EDUCATION THAT PREPARES YOU FOR SUCCESS**  
Academic Plan 2017/18  
UNIVERSITY OF IDAHO

### YEAR 1 FALL
- CS 112* Computational Thinking 3
- ENGL 101 Intro to College English 3
- MATH 143 Pre-Calculus Algebra & Analytic Geometry 3
- ISEM 101 Integrated Seminar 3
- MATH 144 Analytic Trigonometry 1

### YEAR 1 SPRING
- CS 120* Computer Science I 4
- ENGL 102 College Writing and Rhetoric 3
- COMM 101 Fundamentals of Public Speaking 2
- MATH 176* Discrete Mathematics 3
- ELECTIVE Science Elective w/Lab 4

| Total Credits | 13 | Total Credits | 16 |

*Minimum grade of C required in all 100-level CS courses for entrance into 200-level courses; to include Math 170, 175 and 176

### YEAR 2 FALL
- CS 121* Computer Science II 3
- CS 150* Computer Organization & Architecture 3
- MATH 170* Analytic Geometry & Calculus I 4
- ELECTIVE Lab Science Sequence (see catalog or website) 4

### YEAR 2 SPRING
- CS 210* Programming Languages 3
- CS 270* System Software 3
- MATH 175* Analytic Geometry & Calculus II 4
- ELECTIVE Lab Science Sequence (see catalog or website) 4

| Total Credits | 14 | Total Credits | 14 |

*Minimum grade of C required in all 200-level CS courses for entrance into upper-division courses; to include Math 170, 175 and 176

### YEAR 3 FALL
- CS 240* Computer Operating Systems 3
- MATH Upper Division Math Elective or Math 275 3
- CS 385 Theory of Computation (Fall Only) 3
- ELECTIVE HUMANITIES/Social Science 3
- ELECTIVE HUMANITIES/Social Science 3

### YEAR 3 SPRING
- CS 383 Software Engineering (Spring Only) 3
- CS 395 Analysis of Algorithms (Spring Only) 3
- MATH 330 Linear Algebra 3
- ENGL 317 Technical Writing 3
- ISEM 301 Great Issues Seminar 1

| Total Credits | 15 | Total Credits | 13 |

*Minimum grade of C required in all 200-level CS courses for entrance into upper-division courses

### YEAR 4 FALL
- CS 401 Contemporary Issues in Computer Science 1
- CS 445 Compiler Design (Fall Only) 4
- STAT 301 Probability & Statistics 3
- ELECTIVE International Elective/Humanities 3
- ELECTIVE CS Technical Elective 3

### YEAR 4 SPRING
- CS 480 Senior Capstone Design I 3
- ELECTIVE CS Technical Elective 3
- ELECTIVE American Diversity/Humanities 3
- ELECTIVE Free Elective 3

| Total Credits | 14 | Total Credits | 12 |

### YEAR 5 FALL
- CS 481 Senior Capstone Design II 3
- ELECTIVE CS Technical Elective 3
- ELECTIVE CS Technical Elective 3

| Total Credits | 9 |

1 April 2017