Boise State University Undergraduate Computer Science Pre-requisites, 2018-2019

First-Year

1st Semester (Fall)
- MATH 170 Calculus I
- Choose PHYS or CHEM
  - PHYS 211/211L Physics I with Calculus & Lab
  - CHEM 111/111L General Chemistry I & Lab
- CS 121/121L Computer Science I and Computer Science I Lab
- CS-HU 120 Foundational Values
  - ENGL 101 Introduction to College Writing
  - ENGL 102 Intro. To College Writing and Research
  - ENGL 202 Technical Communication
  - Comm 101 Fundamentals of Communication
  - DLL Literature and Humanities
- UF 100 Intellectual Foundations
- UF 200 Intellectual Foundations

2nd Semester (Spring)
- MATH 175 Calculus II
- MATH 189 Discrete Mathematics
- CS 221 Computer Science II
- CS-HU 220 Technical Communication
- ECE 230/230L Digital Systems & Lab

Sophomore

1st Semester (Fall)
- Math Elective*
- CS 321 Data Structures
- CS-HU 230 Navigating Computer Systems
- CS-HU 250 Introduction to Version Control
- CS 253 Intro to Systems Programming
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

2nd Semester (Spring)
- MATH 360 or 361 Probability & Statistics
- CS 321 Data Structures
- CS-HU 230 Navigating Computer Systems
- CS-HU 250 Introduction to Version Control
- CS 253 Intro to Systems Programming
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

Junior

1st Semester (Fall)
- MATH 361 Intro to the Theory of Computation
- CS-HU 300 Intro to Database System Usage
- CS-HU 250 Introduction to Version Control
- CS 354 Programming Languages
- CS-HU 250 Introduction to Version Control
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

2nd Semester (Spring)
- CS 361 Software Engineering
- CS-HU 300 Intro to Database System Usage
- CS-HU 250 Introduction to Version Control
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

Capstone

First-Year
- UF 100 Intellectual Foundations
- UF 200 Intellectual Foundations
- UF 200 Intellectual Foundations

Sophomore
- CS 361 Software Engineering
- CS-HU 300 Intro to Database System Usage
- CS 354 Programming Languages
- CS-HU 250 Introduction to Version Control
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

Junior
- CS 361 Software Engineering
- CS-HU 300 Intro to Database System Usage
- CS 354 Programming Languages
- CS-HU 250 Introduction to Version Control
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

Senior
- CS 471 Software Engineering
- CS-HU 300 Intro to Database System Usage
- CS 354 Programming Languages
- CS-HU 250 Introduction to Version Control
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

Capstone
- CS 471 Software Engineering
- CS-HU 300 Intro to Database System Usage
- CS 354 Programming Languages
- CS-HU 250 Introduction to Version Control
- CS 230 Ethical Issues in Computing
- Additional CS or CS-HU Courses

Additional CS or CS-HU Courses* (7 credits)

General Elective
- General Elective (1-4 credits)

* See Catalog for Additional Requirements