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

First-Year

1st Semester (Fall)
- FM
  - MATH 170 Calculus I
- MATH 175 Calculus II
- CS 121 Computer Science I
- Choose PHYS or CHEM
  - FN
    - PHYS 211/211L Physics I with Calculus & Lab
  - FN
    - CHEM 111/111L General Chemistry I & Lab
- CS-HU 150 Foundational Values
- ENGL 101 Introduction to College Writing
- FS Comm 101 Fundamentals of Communication
- FH Literature and Humanities

2nd Semester (Spring)
- MATH 189 Discrete Mathematics
- CS 221 Computer Science II
- CS-HU 153 Navigating Computer Systems
- CS-HU 250 Introduction to System Usage

Sophomore

1st Semester (Fall)
- CS 221 Computer Science II
- CS 221 Data Structures
- CS-HU 153 Navigating Computer Systems
- CS-HU 250 Introduction to System Usage
- CS-HU 271 Agile Development

2nd Semester (Spring)
- Math Elective
- CS 231 Data Structures
- CS 354 Programming Languages
- CS 361 Intro to the Theory of Computation

Junior

1st Semester (Fall)
- MATH 360 or 361 Probability & Statistics
- CS-HU 271 Agile Development
- CS-HU 271 Agile Development
- CS 361 Intro to the Theory of Computation
- CS 471 Software Engineering

2nd Semester (Spring)
- CS-HU 310 Intro to Database System Usage
- CS-HU 310 Intro to Database System Usage
- CS 421 Design and Analysis of Algorithms
- CS 481 Senior Design Project

Senior

1st Semester (Fall)
- CS 453 Operating Systems
- CS-HU 330/330L Microprocessors & Lab
- CS-HU 330/330L Microprocessors & Lab
- CS-HU 330/330L Microprocessors & Lab
- CS-HU 330/330L Microprocessors & Lab

2nd Semester (Spring)
- CS 453 Operating Systems
- CS-HU 330/330L Microprocessors & Lab
- CS-HU 330/330L Microprocessors & Lab
- CS-HU 330/330L Microprocessors & Lab
- CS-HU 330/330L Microprocessors & Lab

Capstone

- CS 471 Software Engineering
- CS 481 Senior Design Project
- CS 488 Senior Outcome Assessment

* See Catalog for Additional Requirements