

# BACHELOR OF SCIENCE IN COMPUTER SCIENCE

## DEGREE PROGRAM

Within the context of social responsibility, this degree exposes students to a broad balance of computing theory and practice that prepares them with the greatest flexibility to work across a variety of professions and organizations. Students learn to expertly design and implement computational solutions that can be used to tackle the world's most challenging social, scientific, and business problems. This degree provides the most breadth and depth experience related to software development, programming, and computational thinking. The B.S. in Computer Science degree program is accredited by the Computing Commission of ABET, [www.abet.org](http://www.abet.org).

### DEGREE REQUIREMENTS

Courses are offered online and in the classroom

#### General Core Studies (46 credit hours)

- ▶ MT 320 – Discrete Mathematics
- ▶ Natural Science and Lab I (4 credit hours)

#### Foundational Major Courses (26 credit hours)

- ▶ CS 210 – Introduction to Programming
- ▶ CS 310 – Data Structures
- ▶ CS 324 – Algorithms and Complexity
- ▶ CS 390 – Principles of Programming Languages  
*Platform-Based Development & DB Requirement*

▶ CS 336 – Web and Database Applications  
OR

▶ CS 338 – Mobile and Enterprise Computing  
*Mathematics Requirements (8 credit hours)*

- ▶ MT 360A – Calculus I
- ▶ MT 360B – Calculus II

*Lower Division CS Elective (3 credit hours)*

#### Upper Division Major Courses (24 credit hours)

- ▶ CS 431 – Operating Systems Design/Analysis
- ▶ CS 440 – Computer Architecture
- ▶ CS 444 – Software Engineering
- ▶ CS 475 – Computation Theory
- ▶ CS 479 – Ethical Leadership in Computer Science  
*Intelligent Systems Requirement*

▶ CS 464 – AI: Neural Networks  
OR

- ▶ CS 473 – Artificial Intelligence
- ▶ CS 469 Distributed Systems
- ▶ CS 493 Senior Project

#### Upper Division Mathematics (8 credit hours)

- ▶ MT 415 – Linear Algebra
- ▶ MT 472 Probability and Statistics

#### CS Upper Division Elective Concentration (9 credit hours)

Contact your Admissions Counselor for a complete list of approved mathematics and computing courses

#### Natural Science Requirement (3 credit hours)

- ▶ Natural Science II - lab optional (e.g. Biology)

#### General Electives (6 credit hours)

**Total Degree Requirements = 120 credit hours**

### ADMISSION REQUIREMENTS

- ▶ Completed application with \$50.00 fee
- ▶ Official transcripts from prior college(s)
- ▶ Essay
- ▶ Resume

To start your application and learn about additional admission requirements, visit [Regis.edu/CCIS](http://Regis.edu/CCIS).

### TUITION (2018-19 ACADEMIC YEAR)

- ▶ \$490 per credit hour

### FINANCIAL AID

In 2017-18, Regis University provided more than \$134 million in federal, state and institutional financial aid to its eligible students. To learn more about financial aid options, contact the Financial Aid Office at 800.568.8932 or visit [Regis.edu/financialaid](http://Regis.edu/financialaid).

### CLASSES START SOON

Please visit the academic calendar to see when classes start at [www.Regis.edu/Calendar](http://www.Regis.edu/Calendar)

GET STARTED TODAY

Working with you one-on-one, your Regis admissions counselor can help you decide which program is the best fit for your goals, what options can save you time and money and assist with the online application process.

800.944.7667 [ruadmissions@regis.edu](mailto:ruadmissions@regis.edu)  
[regis.edu/CCIS](http://regis.edu/CCIS)

Regis University is regionally accredited by the Higher Learning Commission.

B.S. in Computer Science is accredited by the Accreditation Board of Engineering and Technology (ABET.org).