BACHELOR OF SCIENCE

Computer Science

With a degree in computer science from Regis, you won’t just study theory and practice – you’ll emerge as a proficient software developer. With the ability to utilize multiple programming languages, paradigms, and platforms to implement computational solutions.

Develop more than just a career.

Whether you aspire to protect systems from cybercriminals or model complex computational solutions to problems, the B.S. in Computer Science program at Regis will provide you with the knowledge to go beyond programming and help people and technology live together productively.

What You’ll Need

TO APPLY:
- Completed online application
- Official transcripts from prior school(s)
- Resume
- Essay

TUITION AND FEES
Tuition for the 2020-2021 academic year:
- $555 per credit hour
- $75 technology fee per course

To learn about financial aid options available, contact the financial aid office at 800.568.8932 or visit regis.edu/financialaid.

You might be wondering:

IN WHAT FORMAT ARE CLASSES HELD?
Classes are taught in an 8-week format, either online or on campus during the evenings.

WHEN CAN I START?
Program starts are offered in January, March, May, July, August and October.

ONE OF TWO ABET-ACCREDITED COMPUTER SCIENCE PROGRAMS THAT CAN BE COMPLETED 100% ONLINE

PROJECTED GROWTH IN COMPUTER SCIENCE JOBS BY 2028
Source: bls.gov

16%
# Degree Plan

## GENERAL CORE STUDIES
46 credit hours

As part of the general core studies requirement, students must take:
- **MT 320** Discrete Mathematics
- Natural Science
- Natural Science with lab

## FOUNDATIONAL COURSES
26 credit hours

- **CS 210** Introduction to Programming
- **CS 310** Data Structures
- **CS 324** Algorithms and Complexity
- **CS 390** Principles of Programming Languages
- **CS 336** Web and Database Applications - or - **CS 338** Mobile and Enterprise Computing
- **MT 360A** Calculus I
- **MT 360B** Calculus II
- Computer Science Elective (300 or 400 level)

## UPPER DIVISION REQUIREMENTS
24 credit hours

- **CS 431** Operating Systems Design/Analysis
- **CS 440** Computer Organization & Architecture
- **CS 444** Software Engineering
- **CS 464** Artificial Intelligence: Machine Learning - or - **CS 473** Artificial Intelligence
- **CS 469** Distributed Systems
- **CS 475** Computation Theory
- **CS 479** Ethical Leadership in Computer Science
- **CS 493** Senior Capstone

## UPPER DIVISION MATHEMATICS
8 credit hours

- **MT 415** Linear Algebra
- **MT 472** Probability and Statistics - or - **MT 470A** Mathematical Statistics I

## CONCENTRATION ELECTIVES
9 credit hours

Computer Science
Select three classes:
- **CS 421** Data Science
- **CS 433** Computer Systems Security
- **CS 445** Database Management
- **CS 450** Data Networks
- **CS 465** UNIX Operating Systems
- **CS 468** Advanced UNIX
- **CS 476** Introduction to Quantum Computing
- **CS 490E-W** Independent Study in Computer Science
- **CS 492E-W** Special Topics in Computer Science
- **CS 498E-W** Internship in Computer Science

Computer Information Systems/Information Technology/Cybersecurity
- CIS/CIT/CSEC 4XX course(s) approved by CS department

## GENERAL ELECTIVES
5-6 credit hours

Elective credits dependent upon credits earned for natural science core requirement.

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**TOTAL: 120 CREDIT HOURS**

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The B.S. in Computer Science is accredited by the Accreditation Board of Engineering and Technology (ABET). Regis University is regionally accredited by the Higher Learning Commission (HLC).