

# 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](http://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.



**EARN YOUR BACHELOR'S AND MASTER'S DEGREES AT THE SAME TIME AND GET ON THE FAST TRACK TO SUCCESS**



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



**PROJECTED GROWTH IN COMPUTER SCIENCE JOBS BY 2028**

Source: bls.gov

# 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**

## Transferring? Bring Your Credits With You.

We believe you should get the credits you deserve. After all, you worked hard for them. Regis University offers one of the most generous transfer credit policies in higher education. We want to keep your education on track, so you keep your career goals within reach. You can transfer up to **66 credit hours** for the B.S. Computer Science program.

## Make your degree work harder.

Our dual master's degree combines the B.S. Computer Science with an M.S. in Data Science, Enterprise Systems Engineering, Health Informatics, Information and Cyber Security, Information Technology Management or Software Engineering. Double your skills – and your hiring potential.

## Ready to get started?

Your Regis admissions counselor will work with you one-on-one. We'll help you choose the program that fits your goals, find options that save time and money and help you through your online application.

### Contact

ruadmissions@regis.edu  
800.944.7667

### Ready to apply?

regis.edu/apply