

MASTER OF SCIENCE SOFTWARE ENGINEERING



Design and Implement the Future

Software engineers are more in-demand than ever before, as companies race to hire and secure top talent. With above-average salaries and job growth that shows no signs of slowing, there's never been a better time to be a software engineer. Regis University's M.S. in Software Engineering equips you with foundational skills and specialized knowledge, ensuring you'll find rewarding and fulfilling work no matter where your software career takes you.

QUICK FACTS

- Flexible: Program can be completed in 12-24 months
- Convenient: Adult graduate program designed to fit your busy schedule
- Relevant: Gain skills in Java™, C# and Swift, JavaScript, HTML, CSS and more
- Networking: Get access to exclusive industry connections, partnerships and memberships
- Scholar Practitioner Model: Seasoned faculty with years of professional experience
- Easy to Apply: No application fee or letters of recommendation required

PROGRAM FORMAT

- Online: 8-week terms
Start Dates: January, March, May, July, August and October
- On Campus: 8-week terms
Start Dates: August
- Total Credit Hours: 36

25%

Projected growth
for software
developer jobs
through 2032*

\$127,260

Median salary
for software
developers*

1.7MILLION

Software developer
jobs in the U.S.*

*U.S. Bureau of Labor Statistics, software developer, 2023

Awards

#1 Private colleges in Colorado with
the best ROI stacker.com, 2023

#1 Best online colleges in Colorado
inelligent.com, 2024

#1 Best online colleges in Colorado
niche.com, 2023



Program Overview

Our software engineering program focuses on creating well-rounded graduates equipped with team-building and collaborative skills. Robust lab environments are explored via the Regis Cloud, where an entire networked environment exists for students to experiment and learn. You'll gain an advanced understanding of programming languages such as Java™, C# and Swift, JavaScript, HTML, and CSS, as well as knowledge of the specification, architecture, design, implementation, testing and security of both desktop and mobile applications.

Degree Plan

DEGREE REQUIREMENTS (18 credit hours)

- MSSE 600 Object-Oriented Software Engineering
- MSSE 610 Software Requirements and Processes
- MSSE 635 Software Architecture and Design
- MSSE 640 Software Quality and Testing
- MSSE 642 Software Assurance
- MSSE 695 Software Engineering Research and Development

DEGREE ELECTIVES (9 credit hours)

Select one of the following tracks¹:

- Enterprise Java Software Engineering Track
- Full Stack Track
- Mobile Development Track

GENERAL ELECTIVES (6 credit hours)

DEGREE COMPLETION REQUIREMENT (3 credit hours)

¹Elective classes may count toward related graduate certificates. All certificates will include MSSE 635 Software Architecture and Design.

TOTAL: 36 CREDIT HOURS

Students with no prior programming experience must complete this prerequisite:

MSC 501 Object-Oriented Programming in Java



SCAN CODE TO SEE FULL COURSE DESCRIPTIONS AND ACADEMIC REQUIREMENTS.

Ready to Apply?

GAIN IN-DEMAND SKILLS

- Software design and architecture
- Database design and management
- Software testing and quality assurance
- User Interface (UI) and User Experience (UX) Design
- DevOps practices

REQUIREMENTS AND DEADLINES:

- Online application
- Official degree-bearing transcripts
- Resume
- Essay
- Relevant bachelor's degree or equivalent work experience

TUITION AND FINANCIAL AID

- For cost of attendance, please visit regis.edu/cost. For questions, please contact our financial aid office at 800.568.8932 and rufinancialaid@regis.edu
- Dean's Scholarship up to \$12,000 available to eligible students. To learn more, visit regis.edu/gradscholarships
- See our educational benefits and funding options for active duty military members or veterans at regis.edu/preferred-military

RELATED CERTIFICATES

Not ready for a full master's degree? We offer a number of related graduate certificates to help you gain new skills and relevant experience.

- DevOps
- Full Stack+
- Java Software Development
- Software Engineering

Get Started

Questions?

Our admissions team can 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

Apply Today

regis.edu/apply

