

Software Engineering

Software engineers are needed in virtually every industry at every level. It's much more than designing and developing applications. As our machines, homes and cities become more equipped with sensors, transmitters and communication systems, software engineers help us connect the bots in fun and creative ways.

Design and implement the future as a software engineer.

The M.S. in Software Engineering at Regis University educates students on the various disciplines associated with modern software engineering. You'll gain an advanced understanding of programming languages such as Java™, Swift, JavaScript, HTML and CSS, as well as knowledge of the specification, architecture, design, implementation, testing and security of both desktop and mobile applications.



PROJECT GROWTH OF SOFTWARE DEVELOPERS BY 2029

Source: Bureau of Labor Statistics, Software Developer, 2020



MEDIAN PAY FOR SOFTWARE DEVELOPERS IN 2020

Source: Bureau of Labor Statistics, Software Developer, 2020

You might be wondering:

IN WHAT FORMAT ARE CLASSES HELD?

Classes are taught in an 8-week terms, either online or on campus during the evenings.

HOW LONG DOES THE PROGRAM TAKE TO COMPLETE?

This program can be completed in two years.

WHEN CAN I START?

Program starts are offered in January, March, May, July, August and October. The pre-requisite class is offered in March, June, and October.

Degree Plan

CORE REQUIREMENTS

18 credit hours

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

TRACK REQUIREMENTS

9 credit hours

Enterprise Software Engineering in Java Track:
MSSE 670 Object Oriented Software Construction*
MSSE 672 Component-Based Software Development*
MSSE 674 Service-Based Software Development*

Full Stack Track:
MSSE 661 Web Software Development*
MSSE 663 Web Frameworks*
MSSE 667 Web Mobile Frameworks*

Mobile Development Track:
MSSE 670 Object Oriented Software Construction
MSSE 655 Mobile Software Engineering in Android
MSSE 667 Web Mobile Frameworks

GENERAL ELECTIVES

6 credit hours

Select two 600-level courses from Anderson College in the following areas:
Data Science
Health Informatics
Information & Cyber Security
Software Engineering

DEGREE COMPLETION REQUIREMENTS

3 credit hours

Select one of the following:
MSCC 693 Graduate Capstone
MSCC 698 Graduate Thesis
MSSE 696 Software Engineering Practicum II

TOTAL: 36 CREDIT HOURS

This program is eligible for our FastForward dual degree. To learn more visit regis.edu/fastforward.

Ready to get started?

Contact

ruadmissions@regis.edu
800.944.7667

Ready to apply?

regis.edu/apply

Not quite ready for the full degree?

Start with a certificate program and see what you think.

Related Graduate Certificates:

- Enterprise Java™ Software Development
- Full Stack+
- Mobile Software Development
- Software Engineering

Classes taken as part of the certificate programs listed above can be applied toward the M.S. in Software Engineering, so you can decide to keep going without skipping a beat.

*Indicates classes that can be taken for certificate completion. Admissions requirements for certificate programs may vary. Consult the academic catalog for a complete list of program and application requirements.

What You'll Need

TO APPLY:

- | Completed online application
- | Official degree-bearing transcript
- | Resume and essay
- | Relevant work experience or relevant bachelor's degree

PREREQUISITES:

- | MSC 501 – Object Oriented Programming in Java

Prerequisites may be waived with a related bachelor's degree, relevant work experience or knowledge of programming languages like Java, C# and Python.

TUITION AND FEES

Tuition for the 2022-2023 academic year:

- | \$870 per credit hour

For information on program specific fees visit regis.edu/cost. Tuition and fees are subject to change.

To learn about financial aid options available, contact the financial aid office at 800.568.8932 or visit regis.edu/financialaid. If you are an active duty military member or veteran, visit regis.edu/preferred-military to find out more.