

## MASTER OF SCIENCE IN SOFTWARE ENGINEERING DEGREE PROGRAM

Software engineering plays a major role in the advancement of virtually every industry. This reliance on software is the impetus for the high employment trends of software engineers in the foreseeable future. Regis University's Master of Science in Software Engineering degree equips students with vital software engineering skills that empower them to create software solutions for virtually any industry.

### DEGREE REQUIREMENTS

Courses are offered 100% online. A campus cohort is offered in August each year.

#### Pre-Requisite Requirements (3 credit hours)

*If required, must complete one of the following:*

- ▶ MSC 500 - Programming Through Game Development
- ▶ MSC 501 - Object Oriented Programming in Java

#### Core Courses (9 credit hours)

- ▶ MSCC 610 – Information Technology Concepts
- ▶ MSCC 630 – Enterprise Architecture
- ▶ MSCC 697 – Information Technology Research Methods

#### Degree Requirements (3 credit hours)

- ▶ MSSE 600 – Object-Oriented Software Engineering

#### Software Engineering Electives (12 credit hours)

*Select four from the following:*

- ▶ MSSE 610 – Software Requirements and Processes
- ▶ MSSE 640 – Software Quality and Test
- ▶ MSSE 642 – Software Assurance
- ▶ MSSE 650 – iOS Software Development
- ▶ MSSE 652 – Enterprise iOS Software Development
- ▶ MSSE 655 – Android Software Development
- ▶ MSSE 657 – Enterprise Android Software Development
- ▶ MSSE 661 – Web Software Development
- ▶ MSSE 663 – Web Frameworks
- ▶ MSSE 665 – Web Visualization Frameworks
- ▶ MSSE 667 – Web Mobile Frameworks
- ▶ MSSE 670 – Java Software Development
- ▶ MSSE 672 – Advanced Java Software Development
- ▶ MSSE 674 – Enterprise Java Software Development
- ▶ MSSE 676 – Advanced Enterprise Java Software Development
- ▶ MSSE 692 – Software Engineering Practicum I

#### Electives (9 credit hours)

*Select three courses from any College of Computer & Information Sciences 600-level courses.*

- ▶ Data Science
- ▶ Information Assurance
- ▶ Information Technology Management

#### Degree Completion Requirements (3 credit hours)

*Select one from the following courses:*

- ▶ MSSE 692 – Software Engineering Practicum I
- ▶ MSCC 693 – Graduate Capstone
- ▶ MSCC 698 – Graduate Thesis
- ▶ MSSE 696 – Software Engineering Practicum II  
*Note: MSSE 692 is a prerequisite to MSSE 696.*

**Total Degree Requirements = 36 credit hours (39 if pre-requisite is required)**

### ADMISSION REQUIREMENTS

- ▶ Completed online application with \$50.00 fee
- ▶ Official degree-bearing transcript(s)
- ▶ Resume
- ▶ Essay
- ▶ Minimum 3.0 GPA
- ▶ Relevant work experience or relevant bachelor's degree

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

### TUITION (2018-19 ACADEMIC YEAR)

- ▶ \$780 per credit hour
- ▶ \$75 Technology Fee (per course)

### 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)

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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.