IMPORTANT — Changes to requirements for Master of Software Engineering, effective Fall 2019 Session 1.

After a recent industry review, Graduate Professional Studies is introducing changes to the program requirements for the Master of Software Engineering degree. What you need to know:

- Students admitted into the Master of Software Engineering degree for the Fall 2019 Session 1 must follow the program requirements outlined below.

Please contact an enrollment advisor with any questions or concerns.

Program Requirements for Software Engineering students admitted for Fall 2019 Session 1 or later.

**Required Courses**

- RSEG 105 Expert Software Development in Java
- RSEG 109 Object-Oriented Design with UML
- RSEG 120 Software Development Methodologies
- RSEG 126 Release Control and Continuous Integration/Continuous Delivery (DevOps)
- RSEG 127 Software Engineering Studio
- RSEG 131 Software Testing Techniques

**Elective Courses**

*Choose 3 elective courses*

- RSEG 102 Software Development in Java
- RSEG 103 Software Development in C++
- RSEG 128 User Interface Design
- RSEG 155 Functional Programming with Java and Scala
- RSEG 161 Web Development Technologies
- RSEG 165 Design Patterns
- RSEG 167 Microservices Architecture and Development
- RSEG 170 Database Management
- RSEG 171 Data Warehousing and Data Mining
- RSEG 175 Mobile Applications and Responsive Web Design
- RSEG 176 Cloud Computing
- RSEG 181 Agile Software Development
- RSEG 182 Advanced JavaScript Programming
- RSEG 290 Special Topics in Software Engineering