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
• RDFT 160 Python Programming