IMPORTANT — Changes to requirements for Master of Software Engineering, effective Fall 2017 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 already admitted into the Master of Software Engineering degree prior to April 25, 2017 must follow the program requirements under which they were admitted. These requirements are outlined below.

- Students who applied to the program after April 25, 2017 will follow the new program requirements posted on the Master of Software Engineering page for current students.

Please contact your student advisor with any questions or concerns.

Program Requirements for MSE students admitted prior to April 25, 2017.

**Required Courses**

- RSEG 120 Software Development Methodologies
- RSEG 105 Expert Software Development in Java
- RSEG 109 Object-Oriented Design
- RSEG 131 Software Testing Techniques
- RSEG 126 Release Control and Configuration Management
- RSEG 127 Software Engineering Studio

**Elective Courses**  
*Choose 4 elective courses*

- RSEG 102 Software Development in Java
- RSEG 103 Software Development in C++
- RSEG 110 Linux Tools
- RSEG 122 Advanced Software Development Methodologies
- RSEG 125 Foundations of Software Quality Assurance
- RSEG 128 User Interface Design
- RSEG 145 Linux Administration
- RSEG 160 Computer Networking
- RSEG 161 Web Development Technologies
- RSEG 165 Design Patterns
- RSEG 167 Service Oriented Architecture
- RSEG 170 Database Management
- RSEG 171 Data Warehousing and Data Mining
- RSEG 175 Mobile Applications and Responsive Web Design
• RSEG 176 Cloud Computing
• RSEG 180 Software Development in C#
• RSEG 181 Agile Software Development
• RSEG 185 Embedded Systems Programming
• RSEG 290 Special Topics in Software Engineering