



**MS in Enterprise Systems Engineering Required Courses**

These courses are shown in the recommended order.

- MSCC 610 Information Systems Concepts
- New MSES 602 Introduction to DevOps Engineering
- New MSES 612 Fundamentals of Enterprise Systems Engineering
- New MSES 614 Systems Architecture & Design
- New MSES 618 Systems Integration (Continuous Integration)
- MSCI 680 Information Technology Project Management
- MSCC 697 Information Technology Research Methods
- Take electives here
- MSCC 630 Enterprise Architecture
- MSCC 693 Graduate Capstone OR
- New MSES 696 Enterprise Systems Engineering Practicum II

**MS in Enterprise Systems Engineering Electives**

Three electives from the following list are required for the degree.

- New MSES 622 Systems Requirements Engineering
- New MSES 642 Deploying and Managing a Cloud Infrastructure
- MSCT 650 High Availability and Disaster Recovery Systems
- MSCT 662 Storage Area Networks
- New MSES 692 Enterprise Systems Engineering Practicum I
- MSCD 610 Database Architecture
- MSIA 674 Planning and Implementing Architecture Security

**Notes:** 1) MSES 612 Fundamentals of Systems Engineering, MSES 614 Systems Architecture & Design, and MSES 618 Systems Integration must be completed in order, and cannot be taken simultaneously as each is a prerequisite to the following course. 2) MSCC 630 Enterprise Architecture should be completed as the second to last class of the program just prior to the Graduate Capstone or Systems Practicum.