**MS in Enterprise Systems Engineering**

**2016 PROGRAM OF STUDY**

**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
- MSCC 680 IT Project Management

**Take electives here**

**New** MSES 612 Fundamentals of Systems Engineering, **New** MSES 614 Systems Architecture & Design, and **New** MSES 618 Systems Integration must be completed in order, and cannot be taken simultaneously as each is a prerequisite to the following course.

**New** MSES 602 Introduction to DevOps Engineering

**New** MSES 642 Deploying and Managing a Cloud Infrastructure

**New** MSCT 650 High Availability and Disaster Recovery Systems

**New** MSCT 662 Storage Area Networks

**New** MSES 692 Enterprise Systems Engineering Practicum I

**New** MSCT 610 Database Architecture

**New** MSIA 674 Planning and Implementing Architecture Security

**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
- **New** MSCT 650 High Availability and Disaster Recovery Systems
- **New** MSCT 662 Storage Area Networks
- **New** MSES 692 Enterprise Systems Engineering Practicum I
- **New** MSCT 610 Database Architecture
- **New** MSIA 674 Planning and Implementing Architecture Security

**Notes:**
1) **New** MSES 612 Fundamentals of Systems Engineering, **New** MSES 614 Systems Architecture & Design, and **New** MSES 618 Systems Integration must be completed in order, and cannot be taken simultaneously as each is a prerequisite to the following course.
2) **New** 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.