Systems Engineering M.S.
2016-2017

**Systems Engineering Core Requirements (21 hours)**
- **SENG 5130** Systems Engineering Processes
- **SENG 5230** Systems Engineering Economics
- **SENG 5231** Concurrent Engineering
- **SENG 5232** Engineering Specialty Integration
- **SENG 5233** Systems Engineering Analysis and Modeling
- **SENG 5330** Risk Management
- **SWEN 5230** Software Project Management
  Or
- **EMGT 5430** Professional Project Management

**Systems Engineering Elective Options**
- **SENG 5332** Decision Analysis for Systems Engineering
- **SENG 5334** Human Factors Engineering
- **SENG 5532** Advanced Decision Analysis for Systems Engineering
- **MGMT 5636** Management of Technology
- **MGMT 5638** Leading Technology
- **INDH 5335** Ergonomic Methods and Analysis Techniques
- **INDH 6332** Safety Engineering

These candidates may also choose elective options from the CENG, SWEN or EMGT engineering programs.

**Thesis Option**
(six hours of thesis + nine hours of electives)
- **SENG 6939** Master's Thesis Research

Electives in engineering, science, and mathematics approved by the students adviser

**Systems Engineering Capstone Option**
(3 hours of capstone + 12 hours of electives)
- **SENG 6837** Systems Engineering Capstone Project

Electives in engineering, science, and mathematics approved by the students adviser