DEGREE REQUIREMENTS

- A minimum of 30 credit hours, of which at least 16 hours must be at the 6000 level
- **Non-thesis option:**
  - 30 hours of formal coursework, including three core courses, five IE electives, and two general electives
- **Thesis option:**
  - At least 24 hours of formal coursework, including three core courses and five IE electives
  - A minimum of six thesis hours
  - A formal thesis proposal and a formal thesis defense
  - Acceptance of at least one refereed conference or journal paper
- A minimum GPA of 3.0/4.0 must be maintained
- No grade of C- or below will be accepted toward the degree

**Core courses**

- ESI 6410 Optimization in OR
- ESI 6247 Statistical Design Models
- ESI 6340 Probabilistic Systems Analysis

**IE electives (select any 5 courses from the list)**

- EIN 5350 Technology & Finance
- ESI 5236 Reliability Engineering
- ESI 5306 OR for Eng. Management
- ESI 5522 Computer Simulation
- EIN 6145 Project Management
- EIN 6935 Lean Six Sigma
- EIN 6936 Advanced Lean Six Sigma
- ESI 6324 Engineering the Supply Chain
- EIN 6336 Production Control Systems

**General electives**

Any College of Engineering 5000+ level course, including IMSE courses, except for the IE elective courses above (e.g., EIN 5182 Principles of Engineering Management, EIN 6386 Management of Technological Change, EIN 6933 Systems Integration, EIN 6178 ISO 9000/14000, EIN 6179 Advanced TQM Methods, and others).

FREQUENTLY ASKED QUESTIONS (FAQs)

Please visit [http://www.usf.edu/engineering/imse/graduate/msie.aspx](http://www.usf.edu/engineering/imse/graduate/msie.aspx)

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1 MSIE students holding the BSIE degree from IMSE/USF: please contact the graduate director for additional information.

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