

## ENGINEERING MANAGEMENT (EMGT)

### Courses

**EMGT 201. Engineering Project Management. 3 Credits.**

Principles of project management on designing, building/manufacturing engineering facilities, processes, products and structures; metrics for managing quality, schedule, and financial performance of projects; services and product procurement; project financial management; legal and insurance aspects. Prerequisites: Senior standing.

**EMGT 254. Optimization in Ops Research. 3 Credits.**

Students develop and refine their ability to build optimization models for a wide range of business and engineering decisions. Provides a sound conceptual understanding of mathematical optimization and learn techniques used for solving real-world problems. Emphasizes model formulation and the mathematics of commonly used algorithms. Prerequisites: MATH 121; MATH 122 or MATH 124.

**EMGT 391. Master's Thesis Research. 1-18 Credits.**

**EMGT 392. Independent Study. 1-18 Credits.**

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

**EMGT 394. Independent Graduate Research. 1-18 Credits.**

Graduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

**EMGT 396. Advanced Special Topics. 1-18 Credits.**

See Schedule of Courses for specific titles.