Degree Requirements
Master of Science in
Manufacturing Engineering

The MS in Manufacturing Engineering requires a minimum of 30 credit hours. These credit hours must reflect one of the following options:

- 30 credit hours and a portfolio, or
- 30 credit hours including the required Applied Project course (EGR 593), or
- 30 credit hours including the required Thesis course (EGR 599) and a thesis

Coursework

Required Courses (12 credit hours)*

- EGR 520 Engineering Analysis (3)
- EGR 598 Manufacturing Systems Management (3)
- EGR 598 Physical Principles and Materials Science in Additive Manufacturing (3)
- EGR 598 Physical Principles of Material Removal and Forming Processes (3)

Elective Courses (12-18 credit hours)*

Acceptable courses include 500-level courses with a prefix of: ALT, EGR, or MET. Other courses may be acceptable; verify your selection with your committee chair or the graduate advising office before enrolling.

Culminating Experience (0 - 6 credits)

Select one (1) culminating experience:

- Portfolio (0 credits)
- EGR 593 Applied Project (3 credits)
- EGR 599 Thesis (6 credits)

*Courses are subject to change and are not typically offered every semester. See program website, graduate advising, or department with questions.