

Master's Degrees in Engineering Management



GRADUATE
STUDIES

Integrate Management and Engineering Skills

Rose-Hulman's master's degrees in engineering management provide students with a program that contributes to their growth and provides increased career opportunities. Engineering management students cultivate innovation, leadership and entrepreneurial skills in a diverse and engaging environment that encourages networking with other professionals from a broad range of engineering- and technology-related disciplines.

Faculty in our engineering management program offer students a vast range of experience and are highly credentialed with evening and day classes on campus and select courses offered online each quarter, we can fit your schedule.

Degrees

The **master of science in engineering management (MSEM)** degree offers rigorous management and technical coursework and an integrated project experience. The **master of engineering management (MEM)** degree is offered for students who wish to pursue a course-based plan of study without an integrated project.

Opportunity to Grow

"Getting my master's in engineering management gave me the opportunity to grow both professionally and personally. The experience with management, business, and larger-scale teamwork gave me a whole new perspective on how different facets of an organization work together to accomplish projects. I also gained a greater appreciation for how important soft skills, like interpersonal communication, are key to success in engineering and other areas."

| Jon Nibert (MSEM, 2013)
Product Development, Ford Motor Company, Dearborn, MI





Master of Engineering Management (MEM) Curriculum

- 20 credits of Technical Focus*
- 20 credits of Management Focus
- 8 credits of Graduate electives
- 3 credits of Graduate seminar (EMGT511, 512, or 513)

Master of Science in Engineering Management (MSEM) Curriculum

- 20 credits of Technical Focus*
- 20 credits of Management Focus
- 8 credits of Integrated Project experience (EMGT590)
- 3 credits of graduate seminar (EMGT511, 512, or 513)

**Technically focused graduate courses can be taken from within the department or the campus at large.*

Integrated Project

The Integrated Project, known as “590 Project,” is considered the capstone course in the MSEM degree program. Projects can range from the complicated process of developing a new product to leading new engineering efforts.

Seminars

Each quarter the department hosts a full-day, one-credit-hour seminar on topics related to the engineering management discipline. The goals of the seminar are to expand on concepts presented in class or introduce new concepts/practices currently not being taught by our faculty. Recent topics have included:

- Consulting engineering
- Big Data
- Ethics
- Globalization

Locations for seminars are on campus and at the Indianapolis facility.

Faculty

- Craig G. Downing, PhD, CMfgE, Associate Dean of Lifelong Learning and Professor of Engineering Management
- Eva Andrijcic, PhD, Assistant Professor
- Diane Evans, PhD, Professor
- Thomas James, PhD, Professor of Entrepreneurship
- William Kline, PhD, Associate Dean of Innovation



ROSE-HULMAN INSTITUTE OF TECHNOLOGY IS ONE OF THE FEW PRIVATE COLLEGES WITH A TEACHING FOCUS IN THE UNITED STATES.

Rose-Hulman at a Glance

Rose-Hulman’s graduate programs have a strong focus on applied research involving excellent faculty, facilities and flexibility in students’ plan of study to meet individual goals. The graduate studies programs at Rose-Hulman are offered in a supportive atmosphere focused on the growth and development of each student.

U.S. News & World Report has for nearly two decades ranked Rose-Hulman as the No. 1 engineering institution with the highest degree being a bachelor’s or master’s.