



ADMISSIONS REQUIREMENTS

Prospective students must have a bachelor of science (BS) degree in engineering science, engineering technology or in one of the mathematical, physical or biological sciences. Applicants also must have employment experience in a private industry, government or nonprofit organization.

Prerequisite Courses

- Mathematics through Ordinary Differential Equations (3 semesters)
- Physics (2 semesters)
- Chemistry and/or Engineering Materials (1 semester)
- Three courses (1 semester each) from the following: statics, dynamics, electronics, circuits, fluid mechanics, thermodynamics

Students lacking one or more of the above required courses should contact the program director.

Current Undergraduate Students

Currently-enrolled University of Toledo undergraduate students can apply for special student status and take graduate classes (up to 9 credit hours), which may be applied to their graduate degree programs.

APPLICATION PROCESS

Each admission is made on an individual basis and takes into account the applicant's previous educational record and professional experience.

- Completed and signed application form
- Transcripts from each institution attended showing degree obtained (exception: UT graduates). Domestic students whose undergraduate GPA is below 2.7 must provide GRE scores. Information on the GRE is available at gre.org.
- Two letters of professional recommendation. Forms are available at utoledo.edu/graduate/files/GraduateRecommendForm_fillable.pdf.
- Professional resume
- U.S. citizens or U.S. permanent-resident cardholders: \$45, nonrefundable application fee
- All others: \$75, nonrefundable application fee

Apply online at apply.utoledo.edu.



PART-TIME MASTER OF SCIENCE IN ENGINEERING

CONCENTRATION IN GENERAL OR ENERGY ENGINEERING

For additional information about our programs, visit utoledo.edu/engineering/graduate-studies.



PART-TIME MASTER OF SCIENCE IN GENERAL ENGINEERING (PT MSE-GENERAL)

The master of science degree in engineering with a concentration in general engineering is a part-time, advanced degree specifically designed for current and future managers and engineers. This flexible, cross-disciplinary program combines study in business management and engineering, providing an alternative to a traditional business management or a technical master of science degree.

Courses can be taken completely online or as a combination of online and on-campus offerings. Elective engineering courses are primarily from systems engineering, an area of interest to most engineers responsible for productivity enhancements. Other courses in cybersecurity and electrical power are available on-campus to enhance these elective offerings. Online offerings will be available soon.

PART-TIME MASTER OF SCIENCE IN ENERGY ENGINEERING (PT MSE-ENERGY)

The energy field is subject to ever-increasing challenges, is vital to all aspects of society, and is necessary for assuring a sustainable quality of life for our nation and the world. Graduates of the master of science in engineering with a concentration in energy engineering program develop expertise in many complementary areas, such as public policy, energy management, energy economics and finance, and energy consulting. This highly customizable program is not just for engineering graduates with technical portfolios. With flexibility and options for course work in law, business and finance, the concentration in energy engineering is ideal for professionals at companies that generate and distribute energy, as well as anyone seeking to manage energy portfolios in a variety of businesses and industries.

Additionally, the master of science in energy engineering program has three options for specialization:

Option 1: Power generation and distribution

Option 2: Energy utilization and management

Option 3: Advanced energy systems



DEGREE REQUIREMENTS (30 HOURS)

ENGINEERING CORE

Consists of 2 or 3 courses that prepare students to use engineering analysis methods to solve practical problems in industry.

BUSINESS CORE

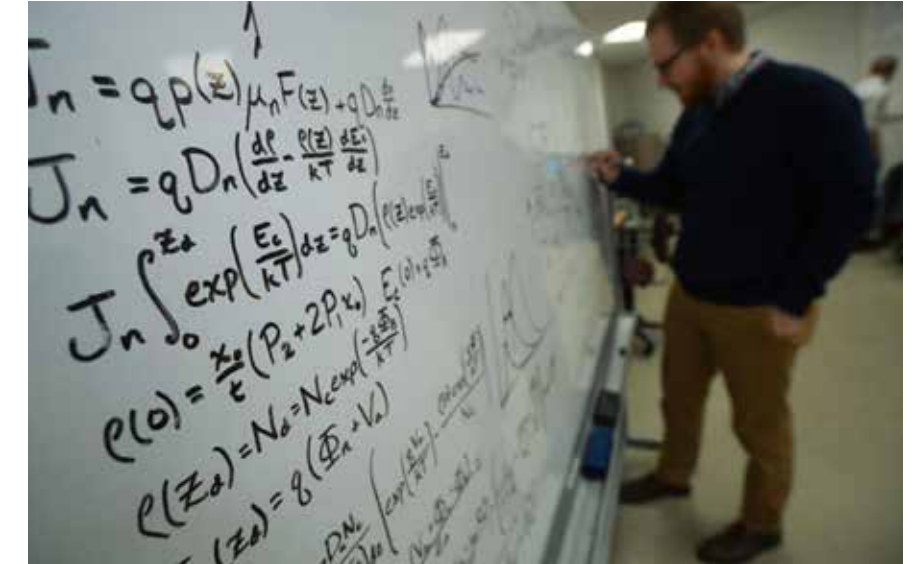
Consists of 2 or 3 courses designed to acquaint engineers, scientists and technologists with financial, managerial and legal/social issues that can help engineers succeed in today's marketplace.

ELECTIVE CORE

Consists of 2-to-6 elective courses from the area of the student's concentration. Elective courses may be taken on campus or online via distance learning. Graduate offerings in the bioengineering (BIOE), chemical engineering (CHEE), civil and environmental engineering (CIVE), electrical engineering and computer science (EECS), engineering technology (ENGT) or mechanical, industrial and manufacturing engineering (MIME) departments are eligible for selection

WORK-RELATED PROJECT

The optional, 6-credit-hour, work-related project may be accomplished in coordination with the student's employer and a faculty member, and utilizes skills learned in the program.



BENEFITS

The part-time master of science in engineering will prepare you for greater responsibilities and leadership roles in your current or desired position.

The program will help participants stay current with the latest engineering and business-management practices while remaining a productive employee. The ability to customize the degree to your needs gives you the power to tailor the degree to your learning interests. Participants enjoy a flexible schedule with web-based classes that allow course work completion on an anywhere/anytime basis.

Your master's degree can boost your earning potential and can lead to opportunities such as:

- Senior systems engineer
- Processing engineering manager
- Senior electrical engineer
- Design engineer
- Product engineer
- Senior chemical engineer
- Director of engineering operations
- Chief engineer