

Graduates from the Institute of Engineering are prepared to succeed in a modern industrial environment.

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International Admissions

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Program Overview

The Institute of Engineering offers the Master of Science degree in Applied Engineering and Technology Management. This program is designed for people wanting to further their knowledge of industrial or engineering management and leadership. The program is intended for students having backgrounds in technology, engineering, or science.

Emphasis

The applied engineering and technology management degree places emphasis on the involvement with real situations and problems for an industrial setting. A broad range of selections are provided in the areas of project management, supervision and training, quality assurance, environmental management, business and finance, research, communications, and information systems.

Career Opportunities

The Applied Engineering and Technology Management program is designed for individuals who are seeking positions of increased leadership and responsibility in business, industry, and government. Emphasis is placed on involvement with real situations and problems. The student, in consultation with an advisor, will develop an interdisciplinary plan of study to increase skills in a specific technical area and to strengthen abilities to communicate effectively in the management of technical functions. Most graduates find employment in manufacturing industries depending on undergraduate major and interests.



Applied Engineering and Technology Management Curriculum

Course Requirements (30 credit hours)

Required Core Courses.....12 Credit Hours

IOE 684 Engineering Economic Analysis (Fall)

IOE 687 Quality Control (Spring)

IOE 691 Industrial Operations (Fall)

IOE 695 Industrial Supervision (Spring)

At least ONE of the following courses

(can take both and use one as an elective):

IOE 693 Systems Management Technology (Fall)

IOE 696 Teamwork and the Management of Technology (Spring)

At least ONE of the following courses

(can take others and use them as an electives):

CET 655 Environmental Regulatory Affairs (Spring)

CET 682 Industrial Ecology (Fall)

CET 687 Sustainable Environmental Technology (Spring)

IOE 619 Industrial Energy Management (Fall)

Elective Courses

Take electives to complete a total of 30 credit hours:

HDL 660 Developing Human Potential

HDL 670 Multicultural and Diversity Issues in Leadership

HDL 675 Assessment of Human Potential

HDL 682 Leadership Organization: Process of Critical Thinking
and Problem Solving

HDL 692 Individual, Group and Team Dynamics

IOE 679 Technical Writing

IOE 676 Industrial Relations

IOE 692 Plant Layout and Material Handling

ITD 651 Advanced Study in Manufacturing

TSM 601 Telecommunications Principles

TSM 610 Telecommunications Networks Management

Admission Requirements

- Bachelor's degree in engineering, engineering technology, science, or related fields. Persons holding degrees in other fields may also apply if the nature of the professional employment has provided significant technology-related experience.

- 3.0 grade point average. GRE scores are not required.

Minimum language proficiency scores:

- IELTS: 6.0 or higher with no section below 5.0

- TOEFL: 71 or higher with no section below 16

Opportunity Afforded

- Advance Your Career

- May Be Completed in One Year

- STEM Degree in the United States

- Three-Year OPT Eligible

- Total Tuition Estimate: \$24,000 USD

- Cost per Credit Hour: \$800 USD



APPLY NOW!

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