



FAMU-FSU College of Engineering Department of Industrial Engineering

Graduate Studies in Engineering Management Toronto Program

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For more information, including application information, contact:

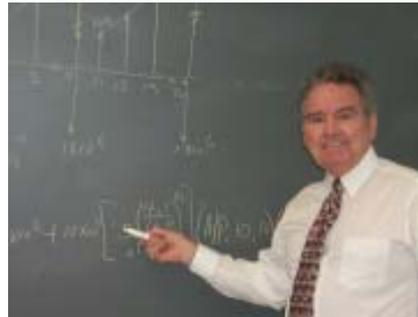
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MSIE with Specialization in Engineering Management

In today's highly competitive environment, a thorough technical knowledge is no longer enough to prepare engineers to compete for executive and managerial positions. The MSIE with Specialization in Engineering Management endows engineers and scientists with the analytical tools and managerial skills they need to excel in this highly competitive global environment. Designed for technical professionals who hold or plan to assume executive or managerial positions, this program teaches leading-edge techniques for understanding systems, streamlining processes, and increasing the overall efficiency of engineering, industrial, and governmental organizations.



Philosophy and Benefits

To succeed, 21st century professionals must be equipped with sound technical competence and executive sophistication. Technical competence requires refined analytical, computational, conceptual, and logical skills. Executive sophistication is determined by each individual's interpersonal, leadership and organizational skills. The Engineering Management curriculum affords students every opportunity to develop their technical and executive competencies while enhancing proficiency in their own specialty.

Program Tailored to Full-Time Employees

The MSIE with Specialization in Engineering Management Program can be completed in Toronto within 16 months on evenings and weekends.

Courses

The Engineering Management Program requires successful completion of 11 modules of course work. The program provides a mix of courses in computers, management, production and engineering analysis. Courses include:

- ◆ Computing Topics & Information Tech.
- ◆ Engineering Economics and Financial Analysis
- ◆ Engineering Experiments
- ◆ Engineering Data Analysis
- ◆ Engineering Management
- ◆ Leadership and Communication
- ◆ Project Analysis, Design and Management
- ◆ Supply Chain Management
- ◆ Modeling and Analysis of Manufacturing and Industrial Systems
- ◆ Quality Management and Engineering
- ◆ Marketing Management for Manufacturing Enterprises

Admission

Students must have a B.S. degree in engineering, mathematics, computer science, physics, or a related area, with a 3.0 G.P.A. A composite score of at least 1,000 on the verbal and quantitative sections of the Graduate Record Examination (GRE) is required. TOEFL score of 550 or higher. Three letters of recommendation.

College and Department History

The FAMU-FSU College of Engineering serves Florida A&M University and Florida State University, and offers B.S., M.S., and Ph.D. degrees in Chemical, Civil, Electrical, Industrial, and Mechanical Engineering. The College has grown from 35 students in 1982 to over 2000 today, and continues to expand its curricula, community outreach programs, and industrial partnerships. The Department of Industrial Engineering offers a Bachelor of Science in Industrial Engineering (BSIE), Master of Science in Industrial Engineering (MSIE), and Doctorate of Philosophy (Ph.D.). Graduate studies are broadly grouped into three categories: manufacturing engineering, quality engineering and industrial systems.