M.S. IN MANAGEMENT OF TECHNOLOGY

Overview

Master of Science in Management of Technology program enables students to gain significant training in managing technology and innovation. The program includes a 30-credit hour curriculum with 15 credits in Technology oriented courses and 15 credits in Management topics. A bachelor's degree from a regionally accredited university is acceptable.

Admission Requirements

A bachelor's degree with a minimum 3.0 GPA from a regionally accredited university is acceptable.

Curriculum Requirements

Code	Title	Credit Hours
Industrial Engineering Core Courses		
ISE 670	Engineering Management	3
ISE 672	Management of Technological Innovation	3
ISE 763	Project Management Techniques	3
Management Core Courses		
MGT 604	Design Thinking	1
MGT 620	Managing Through People	2
MGT 621	High Performance Leadership	2
or MGT 622	High Performance Teams	
MGT 623	Human Resource Systems	2
Capstone Course		
MGT 677	Corporate Strategy and Organization	2
Electives		
Engineering Electives - 600 or 700 level ISE, BME, CAE, CET, CSC, ECE, MAE courses		6
Management Electives - 600 or 700 level ACC, BTE, FIN, MGT, MKT courses		6
Total Credit Hours		**30**

Sample Plan of Study

Graduate Year		
Fall I		**Credit Hours**
ISE 763	Project Management Techniques	3
MGT 604	Design Thinking	1
MGT 620	Managing Through People	2
MGT 622	High Performance Teams	2
MKT 640	Foundations of Marketing Management	2
	Credit Hours	**10**
Spring I		
ISE 670	Engineering Management	3
ISE 671	Engineering Entrepreneurship	3
BTE 610	Digital Transformation	2
MGT 618	Leading Change in Organizations	2
	Credit Hours	**10**
Fall II		
ISE 616	Introduction to Applied Data Analytics	3
ISE 672	Management of Technological Innovation	3
MGT 623	Human Resource Systems	2
MGT 677	Corporate Strategy and Organization	2
	Credit Hours	**10**
	Total Credit Hours	**30**

Mission

The Department of Industrial and Systems Engineering's mission is to provide contemporary and relevant industrial and systems engineering education and research; impart knowledge and skills necessary to design and to improve a variety of manufacturing and service processes; promote life-long learning; and contribute to emerging societal needs.

Goals

Advances in knowledge and an increasing concern for society with its complex needs have led researchers into areas that can no longer be encompassed by a single academic discipline. There is an increased tendency for faculty and students from different disciplines to work together in a variety of laboratories, departments and centers that cut across disciplinary lines. In order to facilitate such interaction, highly qualified students may pursue a privileged course of graduate studies. The program is designed for the truly exceptional student, is built around the student, and brings together the particular interests of two or more disciplines.

Student Learning Outcomes

- Graduates will demonstrate an ability to apply knowledge and methodology to advanced problems in Management of Technology.
- Graduates will demonstrate an ability to write effectively about advanced Management of Technology topics.
- Graduates will have the ability to present their findings effectively about advanced Management of Technology topics.