

# M.S. IN MANAGEMENT OF TECHNOLOGY

## Overview

**Master of Science in Management of Technology** is an academically challenging program that allows you to gain significant training in both technology and management. The course 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.

## Curriculum Requirements

Code	Title	Credit Hours
Industrial Engineering Core Courses		
IEN 670	Engineering Management	3
IEN 672	Management of Technological Innovation	3
IEN 763	Project Management Techniques	3
Management Core Courses		
MGT 604	Design Thinking	1
MGT 620	Managing Through People	2
MGT 621 or MGT 622	High Performance Leadership High Performance Teams	2
MGT 623	Human Resource Systems	2
MGT 677	Corporate Strategy and Organization	2
Industrial Engineering Electives - 600 or 700 level IEN courses		6
Management Electives - 600 or 700 level ACC, BTE, FIN, MGT, MKT courses		6
<b>Total Credit Hours</b>		<b>30</b>

## Sample Plan of Study

Graduate Year		Credit Hours
<b>Fall I</b>		
IEN 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
<b>Credit Hours</b>		<b>10</b>
<b>Spring I</b>		
IEN 670	Engineering Management	3
IEN 671	Engineering Entrepreneurship	3
BTE 610	Digital Transformation	2
MGT 618	Leading Change in Organizations	2
<b>Credit Hours</b>		<b>10</b>
<b>Fall II</b>		
IEN 616	Introduction to Applied Data Analytics	3
IEN 672	Management of Technological Innovation	3
MGT 623	Human Resource Systems	2
MGT 677	Corporate Strategy and Organization	2
<b>Credit Hours</b>		<b>10</b>
<b>Total Credit Hours</b>		<b>30</b>

## Mission

The Department of Industrial 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 an ability to present their findings effectively about advanced Management of Technology topics.