

Department of Industrial and Engineering Technology
Master of Science Degree
MANAGEMENT OF TECHNOLOGY

NEW PROGRAM (2006-08 BULLETIN)

**Master of Science in
Management of Technology**

CIP 15.0000

The management of technology 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 area and to strengthen abilities to communicate effectively in the management of technical functions.

Total Course Requirements 30 hrs
(A minimum of 15 hours must be 600 level)

Each management of technology student will be required to take the six core courses listed below. In addition, four electives may be taken from within or across any of the categories listed.

Core Course Requirements

- CET 682 Industrial Environmental Management
- IET 584 Engineering Economic Analysis
- IET 597 Quality Control
- IET 691 Industrial Operations
- IET 693 Systems Management Technology
- IET 695 Industrial Supervision

Note: A basic statistics course or equivalent is required prior to enrolling in IET 597.

Electives:

- Select four electives from within or across any of the following categories.
- No more than 2 courses total may be taken with the following prefixes: ACC, BPA, CIS, ECO, FIN, MGT, or MKT.

Resource Management

- GCM 560 Plant Equipment Layout & Purchasing
- IET 619 Industrial Energy Management
- TSM 603 Project Management

Supervision/Training

- GCM 554 Printing Production & Manufacturing Mgt.
- GUI 670 Multicultural Issues in Human Services
- MGT 550 Human Resource Management
- MGT 551 Organizational Behavior
- POL 575 Human Resource Management

Environment, Safety Management

- CET 555 Environmental Regulatory Affairs
- CET 681 Pollution Assessment & Control
- CET 686 Environmental Assessment & Remediation
- OSH 550 Safety & Health Program Mgt. & Training

Business, Finance

- ECO 500 Foundations of Economic Analysis
- FIN 520 Risk Management
- GCM556 Communications Sales Management
- MKT 568 Global Marketing Management
- POL 671 Public Policy Analysis

Research, Communications & Information Systems

- ADM 630 Methods of Research
- COM 585 Advanced Organizational Communication
- COM 681 Seminar in Conflict Resolution
- GCM552 Survey of Graphic Communication Mgt
- GCM 558 Trends in Graphic Communications
- IET 679 Technical Writings
- IET 697 Research in Industrial & Engineering Technology
- TSM 601 Telecommunications Principles
- TSM 602 Telecommunications Systems
- TSM 610 Telecommunications Networks Management

Other Degree Requirements

- A written comprehensive examination is required as a component of graduation requirements.
- Independent study courses and other elective courses may only be scheduled with prior advisor approval.