

# TECHNOLOGY MANAGEMENT

## Master of Science (MS)

### Face to Face and Online Delivery

This is a guide based on the 2023-2024 Graduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on factors such as dual enrollment, remediation, and summer enrollment. Students meet with an academic advisor each semester and use Degree Works to monitor their progress.

### CURRICULUM CHECKLIST

#### 33-36 Hours Required

##### Core Requirements:

- FM504 Facilities Management (3)
- IM600 Managing Technology Innovation (3)
- IM602 Advanced Quality Concepts (3)
- IM603 Technology Supervision in a Diverse Workplace (3)
- IM605 Innovation for a Lean Enterprise (3)
- IM606 Knowledge Management (3)
- IM691 Understanding Graduate Research (3)

##### Choose One Track:

###### Class Track:

- IM692 Modeling and Simulation (3)
- GR698 Master's Final Comp Exam (0)
- 12 hours from list below

###### Project Track:

- IM693 Applied Research Project (3)
- GR698 or GR699 Master's Final Comprehensive or Oral Examination (0)
- 9 hours from one option

###### Thesis Track:

- IM694 Thesis (3)
- GR698 or GR699 Master's Final Comprehensive or Oral Examination (0)
- 9 hours from one option

#### CHOOSE 9-12 HOURS (based on track chosen above)

Any course with a CM, EG, ET, FM, IM, MN, TN prefix at the graduate level (500 or higher). A limited number of courses outside of these prefixes may be allowed with departmental approval. Possible elective courses include:

- CM510 Building Information Modeling (3)
- EG506 Operations Research (3)
- ET568 Industrial Controls (3)
- ET570 Energy Management (3)
- EV551 Hazardous Material Assessment (3)
- EV653 Occupational Health (3)
- EV654 Risk Assessment Applications (3)
- EV655 Industrial Hygiene (3)
- EV660 Introduction to Toxicology (3)
- EV661 Business Strategies for Corporate Environmental Management (3)
- IM506 Projects in Industrial & Engineering Technology (3)
- IM515 Advanced Technical Communication (3)
- IM516 Documenting & Presenting Technical Instructions and Proposals (3)
- IM517 Software in Technical Documents (3)
- IM518 Advanced Technical Document Design, Organization and Graphics (3)
- IM520 Technical Training & Development (3)
- IM521 Technical Change & Human Resource Development (3)
- IM522 Technical Leadership in Training & Development (3)
- IM523 Training & Development of Technical Teams (3)
- IM555 Sustainable & Green Manufacturing (3)
- IM585 Independent Study in Industrial Management (3)
- IM617 Manufacturing Resource Analysis (3)
- MN512 Advanced Manufacturing Systems (3)
- TN562 Networking I (3)
- TN563 LAN Switching (3)
- TN564 Telecommunications & Networking II (3)
- TN565 Network Management (3)
- TN566 IP Telephony (3)
- TN625 Wireless Communications & Mobile Data Networks (3)
- TN635 Network Security (3)

### Admission Requirements

In addition to the criteria established for general admission to graduate studies, applicants must have the following:

1. A bachelor's degree in engineering, technology or closely related field
2. An undergraduate GPA of 3.0 on a 4.0 scale and few repeated courses

#### Probationary Admission

Applicants must have an undergraduate GPA of 2.5 on a 4.0 scale and submit official GRE scores. While under probation, students may enroll in nine credit hours of course work in their program area. The nine hours must be completed with 3.0 GPA or higher.

Revised 6/22/2023

# 2023-2024 *degree map*

