

# TECHNOLOGY MANAGEMENT (TM)

## **TM 600 Program Introduction Seminar** 1 Credit hour

This course reviews fundamental mathematical and statistical methods, presentations, report writing, group project skills and use of case studies. An orientation and overview to the degree program are also provided.

**Pre-req:** TM 610 (may be taken concurrently).

**Concurrent PR:** TM 610

**Grade Mode:** Normal Grading Mode

## **TM 610 Mgmt of Innovation & Tech** 3 Credit hours

Provides a comprehensive introduction to technology and innovation management. Considers issues relating to international markets, innovation, and rapidly changing technology. Also covers effective organizational and managerial approaches to technology.

**Grade Mode:** Normal Grading Mode

## **TM 612 Econ & Financial Analysis** 3 Credit hours

Tools and techniques for analyzing companies and their financial statements and for evaluating financial alternatives, including discounted cash flow, net present value and return on investment. (PR: TM 610)

**Attributes:** No Textbook Required

**Grade Mode:** Normal Grading Mode

## **TM 615 Info Tech Strategies** 3 Credit hours

This course provides sound principles for managing information technology computers and telecommunications systems as well as the processes and procedures for applying the principles. (PR: TM 610)

**Grade Mode:** Normal Grading Mode

## **TM 620 Technology Planning** 3 Credit hours

Methods of technology planning, strategic management, and forecasting for use in technology intensive organizations are discussed, including technology life cycles and strategies for commercializing products. (PR: Full Admission to TM program, or permission of TM Program Director)

**Grade Mode:** Normal Grading Mode

## **TM 630 Qual & Prod Methods** 3 Credit hours

Study of quality and productivity improvement methods with emphasis on applications to knowledge worker organizations. Examines total quality management, and personal and organizational productivity improvement processes. (PR: TM 610)

**Grade Mode:** Normal Grading Mode

## **TM 640 Intelligent Transpor Systems** 3 Credit hours

Overview of transportation telemetrics and introduction to intelligent transportation systems. Communications and computing technologies in transportation. Overview of issues: traffic safety, public transportation.

**Grade Mode:** Normal Grading Mode

## **TM 650 Special Topics** 1-4 Credit hours

Occasional offerings of current topics in technology management, providing important supplementary material for participating students. (PR: Full Admission to TM program or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

## **TM 651 Special Topics** 1-4 Credit hours

Occasional offerings of current topics in technology management, providing important supplementary material for participating students. (PR: Full Admission to TM program or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

## **TM 652 Special Topics** 1-4 Credit hours

Occasional offerings of current topics in technology management, providing important supplementary material for participating students. (PR: Full Admission to TM program or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

## **TM 653 Special Topics** 1-4 Credit hours

Occasional offerings of current topics in technology management, providing important supplementary material for participating students. (PR: Full Admission to TM program or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

## **TM 659 Digital Access Pol & Strats** 3 Credit hours

An introductory course for creating digital accessibility policies and plans for the workplace. Includes strategies to create accessible documents, evaluate web site accessibility, and investigate assistive technologies.

**Grade Mode:** Normal Grading Mode

## **TM 660 Computing & Info Sys Tech** 3 Credit hours

Provides a broad understanding of computing and information systems technologies with emphasis on development, current trends, strategic and tactical management, and legal and regulatory issues. (PR: TM 615)

**Pre-req:** TM 615 (may be taken concurrently).

**Concurrent PR:** TM 615

**Grade Mode:** Normal Grading Mode

## **TM 664 Health Informatics** 3 Credit hours

Introduction of various aspects of medical informatics, including medical literature search and retrieval, management and analysis of data, modeling and simulation, data communications, on-line databases, and clinical decision analysis.

**Grade Mode:** Normal Grading Mode

## **TM 667 Mod Mfg Concepts** 3 Credit hours

The course covers modern manufacturing concepts, analysis, and tools such as Just-In-Time, MRP systems, Lean Manufacturing, inventory management, total quality manufacturing, factory physics, and operating and control philosophies.

**Grade Mode:** Normal Grading Mode

## **TM 668 Computer Integrated Mfg** 3 Credit hours

**Grade Mode:** Normal Grading Mode

## **TM 685 Independent Study** 1-4 Credit hours

An approved study of special interest concerning technology management, under the supervision of a faculty member. (PR: Full Admission to TM program, or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

## **TM 686 Independent Study** 1-4 Credit hours

An approved study of special interest concerning technology management, under the supervision of a faculty member. (PR: Full Admission to TM program, or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

**TM 687 Independent Study** **1-4 Credit hours**

An approved study of special interest concerning technology management, under the supervision of a faculty member: (PR: Full Admission to TM program, or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

**TM 688 Independent Study** **1-4 Credit hours**

An approved study of special interest concerning technology management, under the supervision of a faculty member. (PR: Full Admission to TM program, or permission of TM Program Director).

**Grade Mode:** Normal Grading Mode

**TM 698 TM Internship** **3 Credit hours**

Supervised on-the-job experience. The student will work in a technology company or technical department within an organization. (PR: Permission)

**Attributes:** No Textbook Required

**Grade Mode:** Credit/No Credit Grade Only

**TM 699 TM Capstone Project** **3 Credit hours**

An individualized technology management capstone project, which will be planned and carried out under the supervision of a faculty member and a work-site supervisor. (PR: Full Admission to TM program, and completion of 28 hrs. min. toward TM degree).

**Grade Mode:** Credit/No Credit Grade Only