



THE HOEFT TECHNOLOGY & MANAGEMENT PROGRAM

The Technology & Management Program is an undergraduate minor at the University of Illinois that bridges the gap between traditional engineering and business education by offering a unique curriculum to a select group of highly qualified undergraduates drawn from the Colleges of Engineering and Business.

Working closely with its corporate partners, the T&M Program grooms the best and the brightest to be tomorrow's leaders in technology and business.

Teamwork. Leadership. Excellence. Relevance. The Technology & Management Program at the University of Illinois.

COURSE INFORMATION & CURRICULUM GUIDE

The curriculum of the T&M Program is comprised of ten courses. Each student in the program completes seven courses according to his/her college. Engineering students take three courses in the College of Business. Business students take three courses in the College of Engineering. Four courses are taken by all students in a single cohort.

Each course is offered only once each year. Students must complete these courses in sequence and on time. Each course is required.

Curriculum Guide

	Engineering Students	Business Students	Engineering and Business Students
Fall 1st Year	New Product Marketing BADM 365 3 hours 12:30-1:50 pm T R	Materials in Today's World MSE 101 3 hours 3-3:50 T 3-4:50 R	Mgmt of Innov and Technology TMGT 367/BADM 367 3 hours 3:30-4:50 pm M W
Spring 1st Year	Fundamentals of Accounting ACCY 200 3 hours 5-6:20 M W	ECE Technology & Management ECE 317 3 hours 8:00-9:20 am M W	Product Design and Development TMGT 366/BADM 366 3 hours 3:30 – 4:50 pm T R
Fall 2nd Year	Corporate Finance FIN 221 3 hours Can be taken any semester	Mechanics for Technol & Mgmt TAM 201 3 hours 3:30-4:50 pm T R	Business Process Modeling TMGT 460/BADM 460 3 hours 3:30-4:50 pm M W
Spring 2nd Year			Integrated Project TMGT 461/BADM 461 4 hours 3:30-5:20 T R

Courses Taken by Engineering Students Only

TMGT 365 (BADM 365): New Product Marketing

This course exposes engineering students to the discipline of marketing and to business decision making in the unique context of new product marketing decisions. It provides engineering students a disciplined analytical approach to understanding the marketing of new products from concept generation to launch.

FIN 221: Corporate Finance

This course is an Introduction to corporate financial management. Students learn how the financial manager's choices add value to shareholder wealth through investment financing and operating decisions.

ACCY 200 TM: Fundamentals of Accounting

Accountancy 200 focuses on financial and managerial accounting systems. Students will gain practical experience with these systems by preparing budgets, performance reports, and financial statements of for-profit business entities. The course will highlight accounting issues faced by some of the largest and fastest-growing technology companies which operate in a variety of industries.

Courses Taken by Business and Engineering Students Together

TMGT 367 (BADM 367): Management of Innovation and Technology

This course focuses on the strategic management of technology and innovation in organizations. It builds primarily on broad models of technological evolution and organizational change. Students analyze crucial organizational innovation and technology issues (theoretical analysis) and identify concrete managerial actions to address innovation and technology problems and opportunities (managerial action).

TMGT 366 (BADM 366): Product Design and Development

This course presents an overview of the product development process from concept generation to design for manufacturing and project management. There is an emphasis on product definition, early concept development, visual reasoning and engineering graphics. Students work in cross-disciplinary teams working through product development projects.

TMGT 460 (BADM 460): Business Process Modeling

This course is an introduction to the identification and analysis of business processes. Key elements of the course include:

- the definition of business processes
- tools for designing and analyzing processes, including system simulation and queuing theory
- managerial and organizational aspects of business processes
- an in-depth study of several types of important business processes using case analysis.

TMGT 461 (BADM 461): Integrated Project

The Integrated Project course is the capstone of the T&M curriculum. It is taken in the spring semester of the T&M student's second year. Projects are sourced by corporate sponsors of the program. They deal with real problems of significant issue to the sponsor and typically involve engineering, finance, accounting, and marketing. Interdisciplinary teams of six to eight students are assigned to each project. These teams work with program faculty advisors and representatives of the sponsors to develop detailed, implementable solutions.

CORPORATE SPONSORS

