Master of Science in Engineering and Technology Management, M.S.

The Engineering and Technology Management (ETM) program prepares engineering and technological professionals to make process-, product-, and project-oriented strategic and operational decisions and become leaders in the management of technology by providing the link between engineering, science, and management. It helps companies, research organizations, and governments to plan, develop, and implement technologies by specifically addressing real needs identified by industry leaders. Effective planning, selection, implementation, and management of technology, and the teams involved, is essential to the success of any business in today's complex and time-critical global markets. Students learn to apply proven evaluation concepts and implementation strategies to fast moving, technical management decisions that make the difference in both career and business success. Courses provide practicing engineers and managers of technical teams or projects with the knowledge, tools, and skills to manage projects, operations, organizations, and people. The program includes product and project management, engineering management, quality and safety management, and statistical analysis to enable the graduate to be more effective in technical managerial and leadership roles in a business environment. The program is specifically tailored for professionals who want to advance their careers while still working full time. The entire program is available through distance learning as well as face to face and involves 30 credit hours of course work.

Matriculation Requirements

Application for admission

A bachelor's degree from a regionally accredited college/university, a nationally accredited program, or an international college or university recognized by a Ministry of Education

Overall undergraduate GPA of 3.0 or higher on a 4.0 scale from an accredited institution, or GPA of 3.0 or higher on a 4.0 scale from an accredited institution in last 60 semester hours (90 quarter hours) of undergraduate coursework

Three professional letters of recommendation

Official transcripts from all attended institutions of higher education

A personal statement

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		**30**
Discipline Core Requirements		
TECH 6010	Intellectual Property Fundamentals	3
TECH 6400	Six Sigma Project Management	3
TECH 6420	Finance for Technical Systems	3
TECH 6430	Product Management Processes	3
TECH 6450	Engineering Economics and Project Evaluation	3
TECH 6700	Data Driven Decision Making	3
TECH 6950	Engineering and Technology Projects I	3
TECH 6960	Engineering and Technology Projects II	3
Electives		
Complete six credits from the following:		6
TECH 6000	Management of Technological Innovation	
TECH 6500	Resource Management in Engineering and Technology	
TECH 6710	Materials Management	
TECH 679R	Special Topics in Engineering	
TECH 690R	Independent Study	

Graduation Requirements

Complete all courses with an overall GPA of 3.0 or higher

A grade of "C" or higher required for all courses used to satisfy graduation requirement

Courses must be finished within a five-year period. No courses will apply toward graduation that are older than five years

Graduates may not transfer more than ten semester credit hours into this master's program. Only transfer courses approved by the graduate program faculty shall be counted as approved credit for the degree

A minimum of 30 credits is required

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (http://www.uvu.edu/wolverinetrack/).

First Year		
Semester 1		**Credit Hours**
TECH 6400	Six Sigma Project Management	3
TECH 6420	Finance for Technical Systems	3
	Credit Hours	**6**
Semester 2		
TECH 6430	Product Management Processes	3
TECH 6450	Engineering Economics and Project Evaluation	3
	Credit Hours	**6**
Semester 3		
TECH 6700	Data Driven Decision Making	3
Elective		3
	Credit Hours	**6**
Second Year		
Semester 4		
TECH 6010	Intellectual Property Fundamentals	3
TECH 6950	Engineering and Technology Projects I	3
	Credit Hours	**6**
Semester 5		
TECH 6960	Engineering and Technology Projects II	3
Elective		3
	Credit Hours	**6**
	Total Credit Hours	**30**

See Mar 1, 2021 revision of course plan at:
https://drive.google.com/file/d/1BDqIhxdLgAXsqfLaQx0SW2aA8d-5HUfi/view?usp=sharing

Program Learning Outcomes

1. Apply a business-driven approach to engineering and technology concepts.
2. Employ product and project management with the use of rationale and effective decision making.
3. Improve company practices using current technology, analysis, and design. Upon successful completion of this program, students will be able to make strategic and operational decisions in the management of technology by providing the link between engineering, science, and management.