Technology Management, B.S.

Visit the Technology Management and Mechatronics Department page (https://www.uvu.edu/tm/) for more information on the program and access to advising.

Program Description

The Bachelor of Science in Technology Management curriculum is designed to prepare individuals with science, business and technical skills required for the management of people and systems in technology-based industries, government agencies, and non-profit organizations. Includes instruction in computer applications, general management principles, production and operations management, project management, quality control, safety and health issues, and statistics.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		**120**
General Education Requirements		**30 Credits**
ENGL 1010	Introduction to Academic Writing	3
or ENGH 1005	Literacies and Composition Across Contexts	
ENGL 2010	Intermediate Academic Writing	3
STAT 1040	Introduction to Statistics	3
or STAT 1045	Introduction to Statistics with Algebra	
Complete one of the following:		3
HIST 2700 & HIST 2710	US History to 1877 and US History since 1877 (6)	
HIST 1700	American History (3)	
HIST 1740	US Economic History (3)	
POLS 1000	American Heritage (3)	
POLS 1100	American National Government (3)	
Distribution Courses:		
Biology		3
Physical Science		3
Humanities		3
Personal, Professional, and Civic Growth		3
Fine Arts		3
Social/Behavioral Science (TECH 2000G recommended)		3
Discipline Core Requirements		**39 Credits**
MAT 2030	Quantitative Reasoning for Decision Making	3
TECH 2850	Applications of Generative AI	2
IM 2010	Business Computer Proficiency	3
TECH 2010	Supervision in Technology	3
TECH 3000	Introduction to Technology Management	3
TECH 3010	Creative Problem Solving	3
TECH 3010R	Technology Lecture Series	1
TECH 3400	Project Management	3
TECH 3850	Quality Management in Technology	3
TECH 4050G	Global Ethical and Professional Issues in Technology	3
TECH 4420	Organization Information Technologies	3
TECH 4910	Senior Capstone Project	3
ACC 3000	Financial Managerial and Cost Accounting Concepts	3
HR 3430	Introduction to Human Resource Management	3

Discipline Elective Requirements		**12 Credits**
Complete 12 credits from the following upper division courses:		12
TECH 3700	Materials Management (3)	
TECH 4000	Reliability Management (3)	
TECH 4200	Technology Marketing and Customer Relationship Management (3)	
TECH 4400	Advanced Project Management (3)	
TECH 4810R	Internship (1-3) (Up to 3 credits may be selected)	
TECH 4890R	Undergraduate Research in Technology Management (1-3)	
TECH 4900R	Current Topics in Technology Management (3)	
TECH 4970R	Independent Study (1-3) (Up to 4 credits may be selected)	
ENTR 3170	Entrepreneurship - Feasibility Analysis (3)	
LEGL 3000	Business Law (3)	
MGMT 3470	Lean Management Systems (3)	
ENGL 3300	Collaborative Communication for Technology Professions (3)	
Electives		**9 Credits**
Complete 9 credits from any course numbered 1000 or higher		9
Recommended courses: ENGR 1000; CS 1030; DGM 1110		
Approved or Articulated Technical Credits		**30 Credits**
complete 30 credits of approved or articulated technical credits [1]		30

[1] This requirement may be satisfied by credit for prior learning (CPL), prior learning assessment (PLA) or Articulation Agreements. Up to thirty credits may be satisfied.

Graduation Requirements

1. Completion of a minimum of 120 semester credits; a minimum of 40 credits must be upper division.
2. Overall grade point average of 2.0 (C) or above.
3. No grade lower than a C- in any TECH course.
4. Residency hours: Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
5. Completion of general education (GE) and specified departmental requirements.
6. Successful completion of at least one Global/Intercultural course.
7. Successful completion of at least two Writing Enriched (WE) courses.

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**
ENGL 1010 or ENGH 1005	Introduction to Academic Writing or Literacies and Composition Across Contexts	3
STAT 1040 or STAT 1045	Introduction to Statistics or Introduction to Statistics with Algebra	3
Elective (Recommended DGM 1110)		3
Approved or articulated technical credits		3
Personal, Professional, and Civic Growth		3
	Credit Hours	**15**
Semester 2		
ENGL 2010	Intermediate Academic Writing	3
Humanities Distribution		3
Elective (Recommended CS 1030)		3
Approved or articulated technical credits		3

Social/Behavioral Science Distribution (Recommended TECH 2000G)		3
	Credit Hours	**15**
Second Year		
Semester 3		
TECH 2010	Supervision in Technology	3
Elective (Recommended ENGR 1000)		3
Approved or articulated technical credits		3
Technical Credits		3
MAT 2030	Quantitative Reasoning for Decision Making	3
	Credit Hours	**15**
Semester 4		
IM 2010	Business Computer Proficiency	3
American Institutions		3
Physical Science Distribution		3
Discipline Elective Requirement		3
Approved or articulated technical credits		3
	Credit Hours	**15**
Third Year		
Semester 5		
TECH 3000	Introduction to Technology Management	3
TECH 3010R	Technology Lecture Series	1
Biology Distribution		3
Approved or articulated technical credits		3
Discipline Elective Requirement		3
TECH 2850	Applications of Generative AI	2
	Credit Hours	**15**
Semester 6		
TECH 3010	Creative Problem Solving	3
TECH 3400	Project Management	3
TECH 4050G	Global Ethical and Professional Issues in Technology	3
Approved or articulated technical credits		3
ACC 3000	Financial Managerial and Cost Accounting Concepts	3
	Credit Hours	**15**
Fourth Year		
Semester 7		
TECH 3850	Quality Management in Technology	3
TECH 4420	Organization Information Technologies	3
HR 3430	Introduction to Human Resource Management	3
Fine Arts Distribution		3
Approved or articulated technical credits		3
	Credit Hours	**15**
Semester 8		
TECH 4910	Senior Capstone Project	3
Discipline Elective Requirement		3
Discipline Elective Requirement		3
Approved or articulated technical credits		3
Approved or articulated technical credits		3
	Credit Hours	**15**
	Total Credit Hours	**120**

An online graduation plan offers students a flexible yet structured approach to their academic journey. While this sample serves as a general guideline, individual plans may differ based on Math and English placement scores. Meeting with an academic advisor is strongly recommended to customize plans and ensure all graduation requirements are met.

Courses marked with an asterisk (*) are Certified Online Courses, meeting UVU's high standards for quality and accessibility.

Course	Title	Credit Hours
First Year		
Semester 1		
ENGL 1010 or ENGH 1005	Introduction to Academic Writing * or Literacies and Composition Across Contexts	3

STAT 1040 or STAT 1045	Introduction to Statistics or Introduction to Statistics with Algebra	3
Elective		3
Approved or articulated technical credits		3
Personal, Professional, and Civic Growth		3
	Credit Hours	**15**
Semester 2		
ENGL 2010	Intermediate Academic Writing *	3
Humanities		3
Elective		3
Approved or articulated technical credits		3
Social/Behavioral Science		3
	Credit Hours	**15**
Second Year		
Semester 3		
TECH 2010	Supervision in Technology *	3
Elective		3
Approved or articulated technical credits		3
Technical Credits		3
MAT 2030	Quantitative Reasoning for Decision Making	3
	Credit Hours	**15**
Semester 4		
IM 2010	Business Computer Proficiency	3
American Institutions		3
Physical Science		3
Discipline Elective		3
Approved or articulated technical credits		3
	Credit Hours	**15**
Third Year		
Semester 5		
TECH 3000	Introduction to Technology Management *	3
TECH 3010R	Technology Lecture Series	1
Biology		3
Approved or articulated technical credits		3
Discipline Elective		3
TECH 2850	Applications of Generative AI	2
	Credit Hours	**15**
Semester 6		
TECH 3010	Creative Problem Solving	3
TECH 3400	Project Management *	3
TECH 4050G	Global Ethical and Professional Issues in Technology *	3
Approved or articulated technical credits		3
ACC 3000		3
	Credit Hours	**15**
Fourth Year		
Semester 7		
TECH 3850	Quality Management in Technology	3
TECH 4420	Organization Information Technologies	3
HR 3430	Introduction to Human Resource Management *	3
Fine Arts		3
Approved or articulated technical credits		3
	Credit Hours	**15**
Semester 8		
TECH 4910	Senior Capstone Project	3
Discipline Elective		3
Discipline Elective		3
Approved or articulated technical credits		3
Approved or articulated technical credits		3
	Credit Hours	**15**
	Total Credit Hours	**120**

Program Learning Outcomes

1. Manage and develop technical cross-functional teams.
2. Manage and develop complex systems and processes.
3. Assess current and emerging technologies to problem solve and support innovation.
4. Analyze business concepts and data to effect change.
5. Communicate with a wide range of internal stakeholders and various outside communities.

Industrial production managers

- Total Positions230,100
- Field Growth2.8%
- Median Salary$116,970
- Average Openings17.1

Architectural and civil drafters

- Total Positions112,300
- Field Growth1.1%
- Median Salary$61,820
- Average Openings9.2

Medical and health services managers

- Total Positions562,700
- Field Growth28.5%
- Median Salary$110,680
- Average Openings61.4

Natural sciences managers

- Total Positions100,100
- Field Growth7.5%
- Median Salary$157,740
- Average Openings8.3

Managers, all other

- Total Positions1,282,500
- Field Growth5.7%
- Median Salary$133,560
- Average Openings105.8

Project management specialists

- Total Positions973,600
- Field Growth7.2%
- Median Salary$98,580
- Average Openings77.0