

TECHNOLOGY MANAGEMENT (B.S.)

The Technology Management major provides technology proficiency together with the managerial know-how that employers need. With a sound base of knowledge in the core areas of programming, networks, databases, web, and digital media, combined with both fundamental upper-level management courses such as leadership, organizational development, and project management, graduates will be capable of managing technical staff and projects, but will also develop their capacities as strategic leaders who understand changing organizations and can make a contribution even as trends continuously emerge.

Students will have the opportunity to:

1. Demonstrate a sound understanding of fundamental management and accounting practices.
2. Possess proficiency in technology, including fundamentals of programming, network systems, databases, and the web.
3. Lead teams, manage projects and make decisions effectively.
4. Communicate successfully to and with technical and non-technical audiences.
5. Engage with emerging trends in the rapidly evolving environments of technology and business, and understand their potential applications and risks.
6. Assess the contributions that effective technology management makes to organizational goals and their achievement.
7. Apply, integrate, and synthesize competencies gained from technical and management courses to make a strategic contribution to business enterprise.

Degree Requirements

Minimum Credit Requirement: 120 credits

Minimum Residency Requirement: 30 credits must be taken at Granite State College

A minimum GPA of 2.0 is required for conferral

Requirements	Credit Hours
General Education Requirements (p. 1)	40
Major Requirements (p. 1)	60
Open Electives (p. 1)	20
Total	120

General Education Requirements

A minimum grade of C is required in all General Education coursework. Students are allowed a maximum of two course overlaps. Overlaps can be used between Major, Minor and General Education requirements with only one overlap being utilized between the Major and Minor.

All General Education requirements, including CRIT 602 Advanced Critical Analysis and Strategic Thinking (4 s.h.) and IDIS 601 Interdisciplinary Seminar (4 s.h.), must be taken prior to the capstone.

Code	Title	Credits
ENG 500	The Writing Process	4
COMM 542	Interpersonal Communication and Group Dynamics	4
COMM 543	Visual Communication	4

CRIT 501	Introduction to Critical Inquiry	4
Select one of the following:		4
MATH 502	Math for Our World	
MATH 504	Statistics	
MATH 510	Pre-Calculus	
Knowledge of Human Behavior & Social Systems (https://catalog.granite.edu/undergraduate/degrees-programs-study/general-education-requirements/#human-behavior)		4
Knowledge of the Physical & Natural World (https://catalog.granite.edu/undergraduate/degrees-programs-study/general-education-requirements/#physical-natural-world)		4
Knowledge of Human Thought & Expression (https://catalog.granite.edu/undergraduate/degrees-programs-study/general-education-requirements/#human-thought)		4
CRIT 602	Advanced Critical Analysis and Strategic Thinking	4
IDIS 601	Interdisciplinary Seminar	4
Total Credits		40

Major Requirements

A minimum grade of C is required in all Major coursework. Students are allowed a maximum of two course overlaps. Overlaps can be used between Major, Minor and General Education requirements with only one overlap being utilized between the Major and Minor.

Code	Title	Credits
Major in Technology Management		
<i>Foundation Courses</i>		
CMPL 515	Programming Fundamentals	4
CMPL 525	Foundations of Cybersecurity	4
CMPL 612	Advanced Software Tools	4
MGMT 500	Principles of Management	4
COMM 605	Professional Communication	4
<i>Intermediate Courses</i>		
CMPL 614	Computer and Network Systems	4
MATH 504	Statistics	4
MGMT 569	Budget Management	4
MGMT 622	Database Management Systems	4
MGMT 624	Managing Information Technology	4
<i>Advanced Courses</i>		
LD 600	Becoming an Effective Leader	4
MGMT 626	Project Management Strategies	4
MGMT 623	Systems Analysis and Design	4
<i>Select one of the following:</i>		4
MGMT 608	Fostering Inclusion and Diversity in the Workplace	
HRM 620	Change Management	
HRM 621	Managing Conflict	
<i>Integrative Capstone:</i>		4
CMPL 650	Best Practices in Information Technology	
Total Credits		60

Electives

Open electives are courses students will need to take in addition to their general education and major requirements in order to satisfy the

remaining credit totals for their programs. Open electives are defined as any credit course offered by the College not already included in the student's general education, major, concentration or minor. Students will need 120 credits total to graduate with a bachelor's degree.