

# TECHNOLOGY MANAGEMENT MAJOR (B.S.)

<https://cps.unh.edu/online/program/bs/technology-management>

## Description

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.

## Requirements

### Degree Requirements

**Minimum Credit Requirement:** 120 credits

**Minimum Residency Requirement:** 30 credits must be taken at UNH

**Minimum Cumulative GPA:** 2.0 is required for conferral\*

**Core Curriculum Required:** General Education Program

Major, Option and Elective Requirements as indicated.

\*GPA: Major and any state certification GPA requirements may be higher and are indicated in program details.

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. Please note that Option requirements are considered part of the Major. Students must complete 16 upper-level credits in majors within the College of Professional Studies, Online.

### General Education Program Requirements

A minimum grade of D- 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 and IDIS 601 Interdisciplinary Seminar, must be taken prior to the capstone.

Code	Title	Credits
ENG 420	The Writing Process	4
COM 460	Interpersonal Communication and Group Dynamics	4
COM 480	Visual Communication	4
CRIT 501	Introduction to Critical Inquiry	4
Select one of the following:		4
MTH 402	Math for Our World	
MTH 504	Statistics	
MTH 510	Pre-Calculus	

Knowledge of Human Behavior & Social Systems	4	
Knowledge of the Physical & Natural World	4	
Knowledge of Human Thought & Expression	4	
CRIT 602	Advanced Critical Analysis and Strategic Thinking	4
IDIS 601	Interdisciplinary Seminar	4
<b>Total Credits</b>	<b>40</b>	

## Writing Program Requirements

All bachelor's degree candidates are required to complete four writing intensive courses as part of the University [Writing Program Requirements](#) as follows:

Code	Title	Credits
ENG 420	The Writing Process	
One Writing Intensive course in the Major		
One Writing Intensive course at the 600-level or above		
One Additional Writing Intensive Course		

*Writing Intensive courses are identified with the label "Writing Intensive Course" in the "Attributes" section of the course description and/or a W following the course number.*

## Major Requirements

Prior to capstone enrollment, students are expected to complete the majority of their required major courses along with CRIT 602 Advanced Critical Analysis and Strategic Thinking and IDIS 601 Interdisciplinary Seminar. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. Academic Advisor approval is required for registration to be processed.

Code	Title	Credits
<b>Major in Technology Management</b>		
<i>Foundation Courses</i>		
COM 590	Professional Communication	4
CMPL 415	Programming Fundamentals	4
CMPL 512	Advanced Software Tools	4
CMPL 525	Foundations of Cybersecurity	4
MGMT 410	Principles of Management	4
<i>Intermediate Courses</i>		
CMPL 614	Computer and Network Systems	4
CMPL 641	Database Management Systems	4
CMPL 643	Managing Information Technology	4
MTH 504	Statistics	4
MGMT 569	Budget Management	4
<i>Advanced Courses</i>		
CMPL 642	Systems Analysis and Design	4
LD 600	Becoming an Effective Leader	4
MGMT 626	Project Management Strategies	4
<i>Select one of the following:</i>		4
MGMT 608	Fostering Inclusion and Diversity in the Workplace	
or HRM 580	Change Management	
or HRM 635	Managing Conflict	
<i>Integrative Capstone</i>		
CMPL 795	Integrative Capstone: Internship in Computer Information Tech and Tech Management	4
or CMPL 797	Integrative Capstone: Best Practices in Information Technology	
<b>Total Credits</b>	<b>60</b>	

## 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, option or minor. Students will need

120 credits total to graduate with a bachelor's degree from the Online Division of the College of Professional Studies.

## Degree Plan

This degree plan is a sample and does not reflect the impact of transfer credit or current course offerings. UNH CPS Online undergraduate students should develop individual academic plans with their academic advisor during their first year at UNH.

## Sample Course Sequence

### First Year

Fall		Credits
CMPL 415	Programming Fundamentals	4
ENG 420	The Writing Process	4
MGMT 410	Principles of Management	4
General Education Course		4
<b>Credits</b>		<b>16</b>

### Spring

CMPL 525	Foundations of Cybersecurity	4
COM 460	Interpersonal Communication and Group Dynamics	4
CRIT 501	Introduction to Critical Inquiry	4
MTH 402	Math for Our World	4
or MTH 504	or Statistics	
or MTH 510	or Pre-Calculus	
<b>Credits</b>		<b>16</b>

### Second Year

Fall		Credits
CMPL 512	Advanced Software Tools	4
CMPL 614	Computer and Network Systems	4
COM 480	Visual Communication	4
MTH 504	Statistics	4
<b>Credits</b>		<b>16</b>

### Spring

COM 590	Professional Communication	4
MGMT 569	Budget Management	4
General Education Course		4
Elective		4
<b>Credits</b>		<b>16</b>

### Third Year

Fall		Credits
MGMT 626	Project Management Strategies	4
CMPL 643	Managing Information Technology	4
CRIT 602	Advanced Critical Analysis and Strategic Thinking	4
Elective		4
<b>Credits</b>		<b>16</b>

### Spring

CMPL 641	Database Management Systems	4
LD 600	Becoming an Effective Leader	4
General Education Course		4

Elective	4
<b>Credits</b>	<b>16</b>

### Fourth Year

Fall		Credits
CMPL 642	Systems Analysis and Design	4
HRM 580	Change Management	4
or HRM 635	or Managing Conflict	
or MGMT 608	or Fostering Inclusion and Diversity in the Workplace	
IDIS 601	Interdisciplinary Seminar	4
Elective		4
<b>Credits</b>		<b>16</b>

### Spring

CMPL 797	Integrative Capstone: Best Practices in Information Technology	4
or CMPL 795	or Integrative Capstone: Internship in Computer Information Tech and Tech Management	
Elective		4
<b>Credits</b>		<b>8</b>
<b>Total Credits</b>		<b>120</b>

## Student Learning Outcomes

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