

# TECHNICAL MANAGEMENT

Specialization: Information Technology and Cybersecurity Fundamentals



## ABOUT THIS DEGREE PROGRAM

### BUSINESS CORE

#### A FOUNDATION IN BUSINESS

This program features a series of essential Business Core courses to help build interdisciplinary skills critical to workplace success. These courses

introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management and the analytic skills that inform business decision-making.

#### A PROGRAM TO FUEL YOUR FUTURE

In this specialization you can learn how to plan and manage IT infrastructure. You'll learn how to apply cyber security measures to protect systems from vulnerabilities.

#### IS THIS PROGRAM FOR YOU?

Are you interested in pursuing a managerial role, but deal with technical and technology issues essential in today's business? Then this may be the right program for you. In this degree you can couple organizational, project management, and budgeting skills learned with essential network and security skills necessary to manage IT enterprises.

## CAREER OPPORTUNITIES

Graduates of DeVry University's Technical Management program with a specialization in Information Technology and Cybersecurity Fundamentals may consider, but are not limited to, the following careers:

- IT Project Manager
- Entry Level IT Security and Support Specialist
- Junior Systems Advisor
- Junior Network Security Analyst

## WHAT YOU'LL LEARN

### ESSENTIALS

- Communicate methods and findings
- Collaborate in a dynamic work environment
- Solve complex problems
- Analyze data

### BUSINESS CORE

- Lead, manage and collaborate in diverse environments
- Explore basic analytical methods for data creation, collection and utilization
- Allocate financial and human resources, manage risk, and analyze business opportunities
- Evaluate and solve complex business problems using numerical and qualitative data
- Use technology to develop solutions to improve daily operations and long-term strategy

### PROGRAM

- Apply leadership, resource management and conflict management techniques to solve business problems
- Analyze financial and statistical data

### SPECIALIZED

- Illustrate the basics of computing and explain the value of data and troubleshooting
- Install and configure operating systems using Command Line Interface (CLI)
- Solve technical problems using an algorithmic approach and basic programming and coding methods
- Utilize security technology and tools to mitigate cybersecurity threats
- Design and plan security controls for cloud infrastructure security, data security, and application security

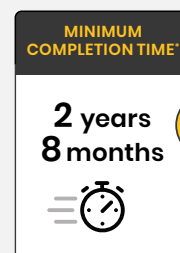
## QUICK FACTS

**122**  
CREDIT HOURS  
minimum credit hours  
required for graduation

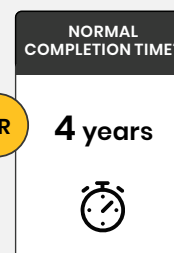


### ACCREDITATION MATTERS

Our Technical Management program has achieved voluntary accreditation from the Accreditation Council for Business Schools and Programs (ACBSP), demonstrating that it has met the standards of business education that promote teaching excellence. Learn more about ACBSP at [www.acbsp.org](http://www.acbsp.org).



OR



## ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Bachelor's Degree** in as little as **2 years 8 months**.\*

Or, follow a normal schedule and complete your program in 4 years.\*\*

\* Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 12-19 credit hours a semester per 12-month period.

\*\* Normal completion time includes breaks and assumes 2 semesters of enrollment in 12-19 credit hours per semester per 12-month period.

# Technical Management | Information Technology and Cybersecurity Fundamentals

## ESSENTIALS


40

CREDIT HOURS


### COMMUNICATION SKILLS

ENGL112 <sup>1</sup>	Composition
ENGL135	Advanced Composition


#### Select one

SPCH275	Public Speaking
SPCH276	Intercultural Communication 


### HUMANITIES

LAS432	Technology, Society, and Culture 
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#### Select one

ETHC334	Diversity, Equity and Inclusion in the Workplace 
ETHC445	Principles of Ethics

### SOCIAL SCIENCES

ECON312	Principles of Economics
SOCS185 <sup>2</sup>	Culture and Society 

### MATHEMATICS AND NATURAL SCIENCES

MATH114	Algebra for College Students
SCI228 <sup>3</sup>	Nutrition, Health and Wellness with Lab

#### Select one

MATH200	Quantitative Reasoning
MATH221	Statistics for Decision-Making

### PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD405	Career Development
COLL148	Critical Thinking and Problem-Solving

#### BE AN ACTIVE PART OF AN INCLUSIVE FUTURE



Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These course options – denoted by this icon – highlight relevant topics to help empower you to promote an inclusive workplace.

## BUSINESS CORE

21

CREDIT HOURS

### BUSINESS CORE

BIAM110	Introduction to Business Analytics
BIS155	Data Analysis with Spreadsheets with Lab
BUSN115	Introduction to Business and Technology
BUSN319	Marketing
COMP100	Computer Applications for Business with Lab
MGMT303	Principles of Management

#### Select one

ACCT207	Fundamentals of Accounting
ACCT212	Financial Accounting

## PROGRAM

34

CREDIT HOURS

### MANAGEMENT AND TECHNOLOGY

#### One of

BIS245	Database Essentials for Business with Lab
BIS275	Advanced Excel

#### One of

MGMT404	Project Management
PROJ404	Project Management for the Profession

### ELECTIVES<sup>4</sup>

Students choose twenty-three (23) credit hours from courses listed in the Course Descriptions section of the [Academic Catalog](#) provided they are not used to meet other graduation requirements, course prerequisites are met and the Elective course area credit hour requirement is satisfied. Students are encouraged to contact a student support advisor regarding elective course options.

The following suggested electives ensure students meet prerequisite requirements. Qualifying prior college coursework not meeting other program requirements may be applied toward elective hours.

ACCT360	Managerial Accounting
BIAM300	Managerial Applications of Business Analytics
BIS310	Compliance and Security Management
BUSN315	Contemporary Business
BUSN350	Business Analysis
BUSN369	International Business
BUSN379	Finance
GSCM206	Managing Across the Supply Chain
LEAD335	Cross-Cultural Leadership
LEAD430	Consulting and Problem-Solving
MGMT410	Human Resource Management

### SENIOR PROJECT

BUSN460	Senior Project
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## SPECIALIZED

28

CREDIT HOURS

### INFORMATION TECHNOLOGY AND CYBERSECURITY FUNDAMENTALS

CEIS101C	Introduction to Technology and Information Systems
CEIS106	Introduction to Operating Systems
CEIS110	Introduction to Programming
CEIS114	Introduction to Digital Devices
NETW191	Fundamentals of Information Technology and Networking
NETW212	Introduction to Cloud Computing
SEC285	Fundamentals of Information Systems Security
SEC305	Cybersecurity and Data Privacy

#### Select one

SEC290	Fundamentals of Infrastructure Security
SEC311	Ethical Hacking
SEC322	Penetration Testing

<sup>1</sup> Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

<sup>2</sup> Students enrolled at a Nevada location must take POLI332 as part of this requirement, the Additional General Education Selection or the Electives.

<sup>3</sup> Students enrolled at a New Jersey location must take TECH204 to fulfill this requirement.

<sup>4</sup> Students enrolled at a New Jersey location must take 55 semester-credit hours of general education coursework. Fifteen semester-credit hours of general education coursework may be applied to the Electives course area.

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