

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.

MINIMUM COMPLETION TIME*

**2 years
8 months**

OR

NORMAL COMPLETION TIME**

4 years

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

ENGL112¹ Composition
ENGL135 Advanced Composition


Select one

SPCH275 Public Speaking
SPCH276 Intercultural Communication 


HUMANITIES

LAS432 Technology, Society, and Culture 

Select one

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

SOCIAL SCIENCES

ECON312 Principles of Economics
SOCS185² Culture and Society 

MATHEMATICS AND NATURAL SCIENCES

MATH114 Algebra for College Students
SCI228³ 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

ELECTIVES⁴

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

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

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

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

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

⁴ 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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