

TECHNICAL MANAGEMENT

Specialization: Information Technology – Networking 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.

The Business Core coursework introduces students to contemporary workplace applications. In each course, the learning experience is enhanced through activities that help students apply the course material, while shaping future education and career choices.

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 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
- Apply appropriate technologies

BUSINESS CORE

- Lead, manage and collaborate in diverse environments
- 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
- Apply managerial theories and techniques to improve organizational performance and foster continuous improvement
- Effectively communicate business information

SPECIALIZED

- Implement, operate and troubleshoot large or small enterprise networks
- Use network operating systems to manage LANs and WANs
- Manage enterprise level or small business network and technology resources
- Identify and mitigate network risk and cyber-security threats

QUICK FACTS

122
CREDIT HOURS
minimum credit hours required for graduation¹

2 + 8
YEARS MONTHS
minimum length to graduation²

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.



**FLEX
2 FIT**

FLEXIBILITY TO FIT YOUR LIFE

Take courses online, on campus, or in our innovative connected classrooms. Study full- or part-time and tailor your DeVry experience to fit your life. Classes start every 8 weeks, so you can begin your college degree when it makes sense for you.

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 options highlight relevant topics to help empower you to promote an inclusive workplace.

**DIVERSITY,
EQUITY &
INCLUSION**

¹ 125 for students enrolled at a Pennsylvania location. ² Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/online-programs.html>.

Technical Management | Information Technology – Networking Fundamentals

ESSENTIALS

40
CREDIT HOURS

COMMUNICATION SKILLS¹

ENGL112 ²	Composition
ENGL135	Advanced Composition

HUMANITIES^{3,4}

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 ⁵	Culture and Society ☺

MATHEMATICS AND NATURAL SCIENCES

MATH114	Algebra for College Students
MATH221	Statistics for Decision-Making
SCI228 ⁶	Nutrition, Health and Wellness with Lab

ADDITIONAL GENERAL EDUCATION SELECTION

Select one

SPCH275	Public Speaking
SPCH276	Intercultural Communication ☺

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD405	Career Development
COLL148	Critical Thinking and Problem-Solving

☺ This icon indicates Diversity, Equity & Inclusion Courses

¹ 7 for students enrolled at a New Jersey location.

² Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

³ Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.

⁴ 9 for students enrolled at a Pennsylvania location.

⁵ Students enrolled at a Nevada location must take POLI332 as part of this requirement, the Additional General Education Selection or the Electives.

⁶ Students enrolled at a New Jersey location may take PHYS204 or SCI200 to fulfill this requirement.

BUSINESS CORE

18
CREDIT HOURS

BUSINESS CORE

ACCT212	Financial Accounting
BIS155	Data Analysis with Spreadsheets with Lab
BUSN115	Introduction to Business and Technology
BUSN 319	Marketing
COMP100	Computer Applications for Business with Lab
MGMT303	Principles of Management

PROGRAM

37
CREDIT HOURS

MANAGEMENT AND TECHNOLOGY

BIS245	Database Essentials for Business with Lab
MGMT404	Project Management

ELECTIVES⁷

Two of:

ACCT360	Managerial Accounting
BIAM110	Introduction to Business Analytics
BUSN379	Finance
MGMT408	Management of Technology Resources

Five of:

BUSN278	Budgeting and Forecasting
BUSN369	International Business
BUSN412	Business Policy
GSCM206	Managing Across the Supply Chain
MGMT410	Human Resource Management
SEC310	Principles and Theory of Security Management

SENIOR PROJECT

BUSN460	Senior Project
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SPECIALIZED

INFORMATION TECHNOLOGY – NETWORKING FUNDAMENTALS

27
CREDIT HOURS

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
NETW211	Fundamentals of Cloud Computing
NETW260	Intermediate Information Technology and Networking I
NETW270	Intermediate Information Technology and Networking II
SEC285	Fundamentals of Information Systems Security

⁷ 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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