

# TECHNICAL MANAGEMENT

Specialization: Business Analytics



## 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'll learn to identify data needs, manage and secure databases, select and apply analytical methods, develop reports and recommend courses of action using analytics.

#### IS THIS PROGRAM FOR YOU?

Do you have potential transfer credits and an interest in how data drives business decision-making? Then this program might be the right fit for you.

## CAREER OPPORTUNITIES

Graduates who complete DeVry's [Bachelor's of Science in Technical Management degree with a specialization in Business Analytics](#) may consider, but are not limited to, the following careers:

- Business Analyst
- Business Intelligence Administrator
- Business Intelligence Analyst
- Business Intelligence Developer
- Financial Analyst

## WHAT YOU'LL LEARN

### ESSENTIALS

- Communicate methods and findings
- Collaborate in a dynamic work environment
- Analyze numerical 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 opportunities
- Evaluate and solve complex problems using numerical and qualitative data
- Use technology to develop business 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 using spreadsheet and database software
- Utilize core project management principles to create essential documents for effective communication

### SPECIALIZED

- Select and apply methods to summarize data, identify patterns and make predictions
- Design databases, retrieve requested information and develop reports
- Analyze website activity and optimize websites for desired results
- Evaluate business processes and systems, recommend improvements and plan change initiatives
- Using predictive analytics and data visualization as a driver for effective business decisions utilizing regression methods
- Identify and analyze risk types and risk mitigation strategies to evaluate how potential issues impact business outcomes.

## QUICK FACTS

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

**10%**  
GROWTH  
nationally from 2022-2032  
for employment of  
Management Analysts<sup>1</sup>



### ACCREDITATION MATTERS

DeVry University's Bachelor of Science in Technical Management program has achieved voluntary accreditation from the Accreditation Council for Business Schools and Programs (ACBSP) [www.acbsp.org](http://www.acbsp.org), demonstrating that they have met the standards of business education that promote teaching excellence.

<b>MINIMUM COMPLETION TIME*</b>	<b>OR</b>	<b>NORMAL COMPLETION TIME**</b>
<b>2 years 8 months</b>		<b>4 years</b>

### 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.

<sup>1</sup> <https://www.bls.gov/ooh/business-and-financial/management-analysts.htm>. Growth projected on a national level. Local growth will vary by location. BLS projections are not specific to DeVry University students or graduates and may include earners at all stages of their career and not just entry level.

# Technical Management | Business Analytics

## 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 ☼

**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

☼ This icon indicates Diversity, Equity & Inclusion Courses

## 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

## SPECIALIZED

27

CREDIT HOURS

### BUSINESS ANALYTICS

BIAM300 Managerial Applications of Business Analytics  
BIAM400 Applied Business Analytics  
BIAM410 Database Concepts in Business Intelligence  
BIAM420 Introduction to Internet Analytics  
BIAM430 Introduction to Visualization and Predictive Analytics  
BUSN340 Introduction to Risk Analysis

**One of**

BIAM320 Analytics in the Business Environment  
BUSN350 Business Analysis  
LEAD430 Consulting and Problem-Solving

<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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