

Master's Degree Program

# Information Technology Management

Emphasis: Business Analytics



## About this program

DeVry University's Keller Graduate School of Management Master's of Information Technology with an emphasis in Business Analytics can help you gain skills in management and help improve your technical knowledge of information systems and networking technologies. You may learn how to apply this knowledge in real world situations and to recognize opportunities where technology can provide a strategic benefit to businesses. Coursework explores the use of AI tools for business decision-making and covers methods for gathering, storing, and reporting data.

## Career opportunities

Graduates of DeVry University's Keller Graduate School of Management Master of Information Technology Management program with an emphasis in Business Analytics may consider, but are not limited to the following careers:

- Computer and Information Systems Manager
- Network Systems and Data Communications Analyst
- Management Analyst
- Data Management Analyst

## Quick facts

**39**  
Credit Hours

minimum credit hours  
required for graduation

**13**  
Courses

## Accelerate on your schedule

Accelerated schedule<sup>1</sup>

**12 months**



Average 10 credits per semester

OR

Normal schedule<sup>2</sup>

**2 years 2 months**



Average 6 credits per semester

Choose the schedule that best fits your goals and commitments. You can earn your **Master's Degree** in as few as **12 months**. Or, follow a normal schedule and complete your program in **2 years and 2 months**.

<sup>1</sup>Accelerated schedule requires at least 9 credit hours of Prior Learning Credit. Assumes completion of 3 semesters, enrollment in an average of 10 credit hours per semester and continuous, full-time year-round enrollment with no breaks per 12-month period.

<sup>2</sup>Normal schedule does not include breaks and assumes 3 semesters of year-round, full-time enrollment in an average of 6 credit hours per semester per 12-month period.

# Master's Degree Program

## Information Technology Management

### Emphasis: Business Analytics

#### Program courses

##### Program focus

LEAD570	Leadership in the Age of AI
MATH534 <sup>3</sup>	Applied Managerial Statistics
MIS541 <sup>3</sup>	Innovation through Technology and AI
MIS548 <sup>3</sup>	AI Applications for Business

##### Four of:

MIS581 <sup>3</sup>	Systems Analysis, Planning and Control
MIS582 <sup>3</sup>	Database Concepts
NETW540	Networking Concepts
PROJ586	Project Management Systems
SEC571 <sup>3</sup>	Principles of Information Security and Privacy

##### Capstone

MIS601	Technology Management Capstone
--------	--------------------------------

##### Emphasis

BIAM501	Applications of AI and Business Analytics
BIAM510	Applications of Business Analytics II
BIAM530	Developing and Managing Databases for Business Intelligence
BIAM561	AI and Predictive Analytics

#### What you'll learn

##### Program focus

- Develop and demonstrate business, technical and management skills needed to oversee people and/or processes.
- Identify and evaluate technologies and processes to enhance an organization's compliance, operational effectiveness and strategic advantage.
- Utilize appropriate tools and technologies to analyze, deploy and manage applications and resources.
- Analyze information and exercise critical thinking to solve problems through research and the use of technologies to develop solutions that address the needs of appropriate stakeholders.
- Develop and demonstrate project management skills needed to lead projects and execute project tasks.
- Develop AI-literacy skills relevant to the workplace.

##### Emphasis

- Identify and evaluate, based on relative strengths and weaknesses, the appropriate analytical tools needed to solve multidimensional business problems.
- Construct business analyses and translate the findings to a diverse audience of experts.
- Explain the strategic implications of applying the techniques of business analytics to support the decision-making of senior level managers in their organization.
- Explore models of business intelligence and data support system design of data warehousing and data mining concepts

### 2-in-1

Earn your Master of Information Technology Management with an emphasis in Business Analytics and earn our AI and Business Analytics Graduate Certificate along the way.<sup>4</sup>

<sup>4</sup>Future programmatic changes could impact the ability to earn additional credentials en route to an eligible degree program. Refer to the [academic.catalog](#) for details.