# **INFORMATION SYSTEMS MANAGEMENT**

Concentration: Information Security



# **ABOUT THIS PROGRAM**

#### A PROGRAM TO FUEL YOUR FUTURE

DeVry University's Keller Graduate School of Management Master of Information Systems Management with a concentration in Information Security program focuses on managerial concepts and tools for systems development, implementation, management and security, as well as examination of database concepts, components and management issues.

When you choose to pursue the information security concentration, specialized coursework helps you to develop technical knowledge in key areas of information security, including how to protect customer privacy, conduct e-commerce securely and respond to cyber attacks, data breaches and natural disasters. Students will learn to create and implement IT policies and procedures that support business objectives through the secure and efficient use of network technology.

### **CAREER OPPORTUNITIES**

Graduates of DeVry's <u>Information Systems Management master's degree program with a concentration in Information Security</u> may consider, but are not limited to, careers such as the following:

- Data Security Analyst
- · Data Security Manager
- Network and Computer Systems Administrator
- Cybersecurity Administrator
- Information Security Officer
- Information Security Administrator

# **QUICK FACTS**

45
CREDIT HOURS
minimum credit hours
required for graduation

15 COURSES



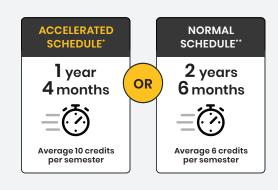
#### **EMBEDDED PROGRAM**

Keller offers a unique 2-in-1 design that allows our AI and Business Analytics Graduate Certificate program to be embedded within our Master of Information Technology Management with an emphasis in Business Analytics, giving you the chance to earn your certificate on the way to your Master's Degree.¹



#### **ACCREDITATION MATTERS**

Keller's Master of Information Systems Management program has achieved voluntary accreditation from the Accreditation Council for Business Schools and Programs (ACBSP, <a href="www.acbsp.org">www.acbsp.org</a>), demonstrating that it has met the standards of business education that promote teaching excellence.



## ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. With at least **9 credit hours**, of qualifying Prior Learning Credit and an accelerated schedule, you can earn your **Master's Degree** in as few as **1 year 4 months**.

Or, follow a normal schedule and complete your program in 2 years 6 months.

\*Accelerated time to complete 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.

\*\*Normal time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in an average of 6 credit hours per semester per



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#### **PROGRAM**

#### **PROGRAM CORE**

HRM587 Managing Organizational Change
LEAD570: Leadership in the Age of Al
MATH534\* Applied Managerial Statistics

MGMT591 Leadership and Organizational Behavior

MIS540\* Innovation Through Technology PROJ586 Project Management Systems

#### **TECHNOLOGY CORE**

MIS581\* Systems Analysis, Planning and Control

MIS582\* Database Concepts

MIS601 Technology Management Capstone

NETW540 Networking Concepts

SEC571\* Principles of Information Security and Privacy

#### CONCENTRATION

# **Information Security**

SEC572 Network Security

SEC585 Data Privacy and Security

SEC586 Cybersecurity Planning and Incident Response SEC587 Governance, Regulation and Compliance

# WHAT YOU'LL LEARN

#### PROGRAM CORE & TECHNOLOGY CORE

- Develop and enhance business, technical and management skills needed to function effectively as IS managers.
- Develop strategies for implementing and managing organizational change.
- Deploy information systems to an organization's strategic and competitive benefit and apply relevant tools for application development, operational effectiveness, information asset management and decision-making.
- Examine how network applications are used to accomplish a business objective.
- Analyze and design computer/network-based applications of information technology and manage IS resources.
- Understand the components of modern databases utilized in the management of technology and establish and deploy parameters to meet the needs of an organization.
- Understand the principles of information security and data privacy and develop and deploy information security policies and procedures.
- Develop and demonstrate project management skills needed to lead projects and execute project tasks with respect to information systems.

#### CONCENTRATION

- Assess and apply opportunities to improve an organization's cybersecurity practices.
- Evaluate organizational cybersecurity risks, and plan risk mitigation actions.
- Evaluate disaster recovery processes, and propose procedures and guidelines to safeguard the organization's technology assets.







<sup>\*</sup>Students may be eligible to waive up to five courses (15 credit hours) upon review of their undergraduate degree. Course waiver availability varies by location. See Course Waivers for details.