

# INFORMATION TECHNOLOGY MANAGEMENT

Emphasis: Cloud Computing



## ABOUT THIS DEGREE PROGRAM

### A PROGRAM TO FUEL YOUR FUTURE

DeVry University's Keller Graduate School of Management Master of Information Technology Management with an emphasis in Cloud Computing 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 in the Cloud Computing emphasis covers the design and management of data communication systems and computer networks. It focuses on hardware, software, and interfaces, with practical applications in cloud computing using platforms like Microsoft Azure and AWS. Students gain hands-on experience in network modeling and cloud development, while also building strategic management skills.

### CAREER OPPORTUNITIES

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

- Computer and Information Systems Manager
- Cloud Architect
- Cloud Solution Architect
- Cloud Security Engineer
- Cloud Consultant
- Cloud Service Provider (CSP)

## QUICK FACTS

**39**  
CREDIT HOURS  
minimum credit hours  
required for graduation

**13**  
COURSES

### ACCELERATED SCHEDULE\*

**12 months**



**Average 10 credits  
per semester**

OR

### NORMAL SCHEDULE\*\*

**2 years  
2 months**



**Average 6 credits  
per semester**

### 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 pace, 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 2 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 12-month period.

PROGRAM

PROGRAM FOCUS

|         |                               |
|---------|-------------------------------|
| LEAD570 | Leadership in the Age of AI   |
| MATH534 | Applied Managerial Statistics |
| MIS540* | Innovation through Technology |
| MIS548  | AI Applications for Business  |

*Note: Students selecting the Cloud Computing emphasis must complete NETW540 and SEC571.*

|         |                                                |
|---------|------------------------------------------------|
| MIS581  | Systems Analysis, Planning and Control         |
| MIS582  | Database Concepts                              |
| NETW540 | Networking Concepts                            |
| PROJ586 | Project Management Systems                     |
| SEC571  | Principles of Information Security and Privacy |

CAPSTONE

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

EMPHASIS

|         |                              |
|---------|------------------------------|
| NETW550 | Cloud Computing Fundamentals |
| SEC588  | Cloud Security               |

Select Two

|         |                      |
|---------|----------------------|
| NETW555 | Cloud Management     |
| NETW556 | Cloud Administration |
| NETW557 | Cloud Services       |
| NETW558 | Cloud Operations     |

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.
- Understand the components of modern databases utilized in the management of technology and establish and deploy parameters to meet the needs of an organization.
- Examine how network applications are used to accomplish a business objective.
- 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.

EMPHASIS

- Develop an understanding of cloud concepts necessary for strategic decision-making and business operations. Align cloud strategies with organizational goals from a management perspective.
- Management and administration of cloud environments from a security perspective. Align cloud security needs to the needs of the organization.

\*Students may be eligible to waive up to three courses (nine credit hours) upon review of their undergraduate degree. Course waiver availability varies by location and delivery method. Visit the Course Waivers section of the Academic Catalog for detail.

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For comprehensive consumer information, visit [devry.edu/studentconsumerinfo](https://www.devry.edu/studentconsumerinfo). Important information about the education debt, earnings and completion rates of students who attended this program can be found at <https://www.devry.edu/compliance/ge/masters-information-technology-management-consumer-info.html>. For additional program information, visit <https://www.devry.edu/online-programs/masters-degrees/information-technology-management.html>.

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), [www.hlcommission.org](http://www.hlcommission.org). The University's Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, [www.tn.gov/thec](http://www.tn.gov/thec). Lisle Campus: 4225 Naperville Rd., Ste. 400, Lisle, IL 60532. Unresolved complaints may be reported to the Illinois Board of Higher Education through the online complaint system <https://complaints.ibhe.org/> or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377. Program availability varies by location. In site-based programs, students will be required to take a substantial amount of coursework online to complete their program. ©2024 DeVry Educational Development Corp. All rights reserved. Version 11/18/2024

