ABOUT THIS DEGREE PROGRAM

The world and our lives thrive on the ease and speed of access to information that is made possible by computers and the Internet. Earning a bachelor’s degree in the Computer Information Systems program at DeVry University can put you on the path to a career helping people access, share, store and act on the information they need.

You may be surprised at the wide variety of sectors and industries that rely on computer information systems. These include finance, healthcare, business, law, the military and, of course, information technology. DeVry University’s degree program can help you develop your problem solving, programming and troubleshooting skills to address 21st century business issues in any of these fields.

Our Computer Information Systems degree program allows you to select a specialization that will focus your education on your specific career goals.

Specializations offered within the Computer Information Systems degree program:
• Business/Management
• Computer Forensics
• Database Management
• Enterprise Computing
• Health Information Systems
• Information Systems Security
• Systems Analysis and Integration
• Web Development and Administration
• Web Game Programming

GENERAL EDUCATION COURSEWORK

At DeVry University, we believe in the value of a comprehensive education. This means broadening your knowledge and skill sets beyond the area of your degree program, to prepare you to succeed in today’s diverse and evolving workplace.

From day one, you can learn important analytical and communication skills, such as problem solving, reasoning and analysis, academic and professional writing, and mathematics and statistics skills. These skills can better equip you to work across cultures and understand a wide range of concepts that influence your area of study.

General Education Coursework:
• Communication Skills
• Humanities
• Mathematics
• Natural Sciences
• Personal and Professional Development
• Social Sciences

CORE-DEGREE COURSEWORK

Note: DeVry's academic catalog, available via www.devry.edu/uscatalog, contains the most current and detailed program information, including graduation requirements.

Listed below are sets of CIS courses, ending in A, B, or C that differ principally in the language/platform used to explore course concepts.

| CIS-170A | Programming with Lab |
| CIS-170B | Programming with Lab |
| CIS-170C | Programming with Lab |
| CIS-247A | Object Oriented Programming with Lab |
| CIS-247B | Object Oriented Programming with Lab |
| CIS-247C | Object Oriented Programming with Lab |
| CIS-355A | Business Application Programming with Lab |
| CIS-355B | Business Application Programming with Lab |
| CIS-363A | Web Interface Design with Lab |
| CIS-363B | Web Interface Design with Lab |
| CIS-407A | Web Application Development with Lab |
| CIS-407B | Web Application Development with Lab |
DeVry University’s Bachelor’s degree in Computer Information Systems can provide you with a solid foundation in technical software and programming skills. Our specialization in Information Systems Security can further prepare you to reach your individual career goals.

As long as computers and electronic systems are used to house valuable information, there will be those who attempt to breach those systems and use the information to their own advantage. Information security specialists design the systems, procedures and policies that help avoid data and identity theft, computer viruses and other electronic security breaches.

DeVry University’s Information Systems Security specialization can teach you how to develop and implement various methods of securing data and computer systems. You can learn to recognize and assess threats, align policies and procedures with applicable laws and regulations, and ensure that data is backed up in the event of an emergency.

Topics in this specialization include information system auditing, web security, privacy and ethical issues, and business continuity.

Graduates of DeVry University’s Computer Information Systems degree program with a specialization in Information Systems Security may consider careers including:

- Computer Security Specialist
- Data Security Administrator
- Information Security Analyst
- Information Security Manager
- Information Security Officer
- Information Technology Security Analyst

According to the Bureau of Labor Statistics, employment of computer network, systems and database administrators, including computer security specialists, is expected to grow by 30 percent from 2008 to 2018, which is much faster than the average for all occupations. According to their Occupational Outlook Handbook, “growth will ... be driven by the increasing need for information security. As cyber attacks become more sophisticated, demand will increase for workers with security skills.”

2DeVry University, on the Internet at www.devry.edu/degree-programs/college-engineering-information-sciences/information-systems-security-about.jsp.

1 — Study the kind of risk factor analysis used in determining the level of security needed for a system.
2 — Explore the legal, ethical and security issues involving data and information assets that organizations must address to ensure operational continuity as well as compliance with standards, policies and laws.
3 — Gain knowledge of relevant equipment, policies, procedures and strategies to promote effective local, state and national security for the protection of people, data, property and institutions.

DeVry University’s Information Systems Security specialization can teach you:

- How to develop and implement various methods of securing data and computer systems.
- How to recognize and assess threats, align policies and procedures with applicable laws and regulations, and ensure that data is backed up in the event of an emergency.
- How to understand and comply with ethical and legal issues involving data and information assets that organizations must address to ensure operational continuity as well as compliance with standards, policies and laws.
- How to examine issues involved in protecting web-based applications from external threats while safeguarding customer privacy and accessibility.
- How to study the kind of risk factor analysis used in determining the level of security needed for a system.
- How to explore the legal, ethical and security issues involving data and information assets that organizations must address to ensure operational continuity as well as compliance with standards, policies and laws.
- How to gain knowledge of relevant equipment, policies, procedures and strategies to promote effective local, state and national security for the protection of people, data, property and institutions.
- How to identify the underlying principles, reasons or facts by breaking down information or data into separate parts.
- How to use computers and computer systems to program hardware, write software, set up functions, enter data or process information.

DeVry University’s Bachelor’s degree in Computer Information Systems can provide you with a solid foundation in technical software and programming skills. Our specialization in Information Systems Security can further prepare you to reach your individual career goals.

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), www.ncahlc.org. DeVry is certified to operate by the State Council of Higher Education for Virginia. DeVry University is authorized by the THEC. www.state.va.us/thec. Nashville Campus – 3343 Perimeter Hill Dr., Nashville, TN 37211. Program availability varies by location. AC0060. ©2014 DeVry Educational Development Corp. All rights reserved. Version 7/7/14 Microsoft® and MSDN® are registered trademarks of Microsoft Corporation.

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In cooperation with Microsoft®, DeVry University students benefit from a catalog of MSDN® Academic Alliance tools to support gaining hands-on experience using the technology critical to their career path. As a student enrolled in DeVry University’s technology–oriented curricula, you will be able to download the software relevant to your classes at no additional cost.