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:
- Communication Skills
- Humanities
- Mathematics
- Natural Sciences
- Personal and Professional Development
- Social Sciences

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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
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- Personal and Professional Development
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Core-Degree Coursework

 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.

All of these courses:

- ACCT-301 Essentials of Accounting
- BUSN-115 Introduction to Business Technology
- CIS-115 Logic and Design
- CIS-206 Architecture and Operating Systems with Lab
- CIS-246 Connectivity with Lab
- CIS-321 Structured Analysis and Design
- CIS-336 Introduction to Database with Lab
- CIS-339 Object-Oriented Analysis and Design
- COMP-100 Computer Applications for Business with Lab
- MGMT-404 Project Management
- SEC-280 Principles of Information Systems Security

1 of these courses:

- 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

Note: DeVry’s academic catalog, available via www.devry.edu/businesscatalog, contains the most current and detailed program information, including graduation requirements.
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 Database Management can further prepare you to reach your individual career goals.

Databases act as the storage repositories for some of our most important information: financial transactions, health records and legal information among other things. Database administrators help to design, create, test and manage these data stores. Security is often a primary concern in relation to databases, therefore, administrators must balance information access with information protection.

DeVry University’s curriculum for the Database Management specialization is founded in real-world applications and techniques. Students can learn all aspects of database creation and management, from planning to troubleshooting errors, all with an emphasis on developing solutions to manage multiple needs. As a graduate, you can be prepared to apply your new skills in any number of fields, from finance to healthcare and beyond. Graduates of DeVry University’s Computer Information Systems program with a specialization in Database Management may consider careers including:

- Database Administrator
- Database Analyst
- Software Implementation Consultant

According to the Bureau of Labor Statistics, employment of database administrators is expected to grow by 20 percent from 2008 to 2018, which is much faster than the average for all occupations. According to their Occupational Outlook Handbook, “demand for these workers is expected to increase as organizations need to store, organize and analyze increasing amounts of data. In addition, as more databases are connected to the Internet, and as data security becomes increasingly important, a growing number of these workers will be needed to protect databases from attack.”

2DeVry University, on the Internet at www.devry.edu/degree-programs/college-engineering-information-sciences/
database-management-about.jsp. (visited March 1, 2011).