**ABOUT THIS DEGREE PROGRAM**

If you love technology, then you’re one of the lucky ones: you can build the skills you need to do what you love in a variety of industries. And the Computer Information Systems program at DeVry University is a great place to start.

In our Computer Information Systems program, you can learn programming languages like C++, C# and Java, giving you the hands-on experience and skills for a career in the technology field. You can learn to write programs, update and expand existing programs, debug programs, and create and test code in an industry standard integrated development environment. Best of all, you can learn by doing: developing, coding, implementing, and testing software and computer programs for a variety of real-world applications.

DeVry’s Computer Information Systems degree program allows you to select a specialization that will focus your education on your specific personal and professional goals, including:

- Computer Forensics
- Cyber Security Programming
- Database Management
- Information Systems Security
- Software Programming
- Web Development and Administration
- Web Game Programming

**GENERAL EDUCATION COURSEWORK**

Communication Skills
- ENGL112 Composition
- ENGL135 Advanced Composition
- ENGL216 Technical Writing
- SPCH275 Public Speaking

Humanities
- HUMN303 Introduction to the Humanities
- ETHC445 Principles of Ethics
- LAS432 Technology, Society, and Culture

Social Sciences
- ECON312 Principles of Economics
- SOCS185 Culture and Society
- SOCS325 Environmental Sociology

Mathematics and Natural Sciences
- MATH114 Algebra for College Students
- MATH201 Statistics for Decision-Making
- SCI228 Nutrition, Health and Wellness with Lab

Personal and Professional Development
- CARD405 Career Development
- COLL148 Critical Thinking and Problem-Solving

Business
- BUSN115 Introduction to Business and Technology
- MGMT404 Project Management

**CORE-DEGREE COURSEWORK**

Computer Systems Concepts
- CEIS100 Introduction to Engineering Technology and Information Sciences
- CISI15 Logic and Design
- CISI206 Architecture and Operating Systems with Lab
- SEC280 Principles of Information Systems Security

Networking – one of:
- NETW202 Introduction to Networking with Lab
- NETW203 Cisco Networking Academy – Introduction to Networking with Lab

Programming and Database Fundamentals
- CISI170C Programming with Lab
- CISI247C Object-Oriented Programming with Lab
- CISI306 Introduction to Database with Lab

Computer Information Systems Foundations
- ACCT301 Essentials of Accounting
- CISI21 Structured Analysis and Design
- CISI39 Object-Oriented Analysis and Design
- CISI35A Business Application Programming with Lab
- CISI363B Web Interface Design with Lab
- CISI407A Web Application Development with Lab

Senior Project
- CISI474 Computer Information Systems Senior Project I
- CISI477 Computer Information Systems Senior Project II

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1 Students enrolled at a New Jersey location take ENGL108 in lieu of this course.
2 Students enrolled at a Nevada location must take POLI132 in lieu of this requirement.
3 Students enrolled at a New Jersey location may take SCI200 to fulfill this requirement.

Programs, course requirements and availability vary by location. Some courses may be available online only. All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online. DeVry’s academic catalog, available via devry.edu/catalogs, contains the most current and detailed program information, including admission, progression and graduation requirements. Information contained herein is effective as of date of publishing.
DeVry University’s bachelor’s degree program in Computer Information Systems can prepare you with a solid foundation in technical software and programming skills. Our specialization in Database Management can further focus your studies to align with your personal interests and professional 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, but not limited to, the following:

- Computer Programmer
- Database Administrator
- Database Analyst
- Software Developer
- Software Implementation Consultant

1 Employment in this occupation may require years of relevant experience.

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