ABOUT THIS DEGREE PROGRAM

A FOUNDATION IN TECHNOLOGY

Tech Core is a foundational curriculum that helps you build hands-on skills in engineering technology, information technology and software and information systems.

A PROGRAM TO FUEL YOUR FUTURE

The Tech Core curriculum, coupled with other coursework, will expose you to a variety of concepts that can help guide your specialization choice. There are seven specializations available: Computer Forensics, Cyber Security Programming, Database Management, Information Systems Security, Software Programming, Web Development and Administration, and Web Game Programming.

IS THIS PROGRAM FOR YOU?

Interested in a career in computer information systems but not sure where to focus? In this program, you'll be exposed to seven degree specializations and be better equipped to choose your path.

CAREER OPPORTUNITIES

Graduates of DeVry’s Computer Information Systems degree program may consider, but are not limited to, the following careers:

• Computer Programmer
• Computer Security Specialist
• Data Analyst
• Software Engineering
• Database Administrator
• Computer Support Specialist
• Computer Security Specialist

WHAT YOU’LL LEARN

ESSENTIALS

• Communicate methods and findings
• Collaborate in dynamic work environments
• Solve complex problems
• Analyze numerical data
• Apply appropriate technologies

TECH CORE

• Produce, secure, operate and troubleshoot small enterprise networks
• Network, secure and deploy digital devices and sensors into the IoT ecosystem
• Solve technical problems using an algorithmic approach and basic programming and coding methods
• Install and configure operating systems using command-line interface (CLI)

PROGRAM

• Use advanced programming techniques
• Develop applications
• Understand network types and designs
• Deploy cryptographic and hacking methodologies

QUICK FACTS

124 CREDIT HOURS
minimum credit hours required for graduation

4 + 2 YEARS
minimum length to graduation

THE SMART WAY TO BE UNDECIDED

With our undecided model, you’ll be exposed to seven different specializations and be better armed to choose your path.

PORTABLE IoT KIT

You can simulate the Internet of Things (IoT) experience wherever you are. With our portable IoT Kit, you’ll get hands-on experience in how IoT technologies work in the real world. Your kit will include digital devices, sensors and other tools you will use to build relevant IoT systems.

1 Not including breaks. Assumes year-round, full-time enrollment
2 Must declare a specialization by 30 credit hours for associate degree program and 60 credit hours for bachelor’s degree program.
Bachelor’s Degree Program

Computer Information Systems

**ESSENTIALS**

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<th>47 CREDIT HOURS</th>
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**COMMUNICATION SKILLS**

- ENGL112
- ENGL135
- ENGL216
- SPCH275

**HUMANITIES**

- ETHC232
- LAS432

**SOCIAL SCIENCES**

- ECON312
- SOSC185
- SOSC325

**MATHEMATICS AND NATURAL SCIENCES**

- MATH114
- MATH221
- PHYS204

**PERSONAL AND PROFESSIONAL DEVELOPMENT**

- CARD405
- COLL148

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**TECH CORE**

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<th>21 CREDIT HOURS</th>
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**TECH CORE**

- CEIS101
- CEIS106
- CEIS110
- CEIS114
- NETW191
- NETW211
- SEC285

**PROGRAM**

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<th>18 CREDIT HOURS</th>
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**INFORMATION SYSTEMS AND PROGRAMMING**

- CEIS236
- CIS170C
- CIS247C
- CIS299
- CIS499

**TECHNOLOGY CAREER PREPARATION**

- CEIS299
- CEIS392
- CEIS494
- CEIS496

**SENIOR PROJECT**

- CEIS392
- CEIS494
- CEIS496

**SPECIALIZED**

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<th>56 CREDIT HOURS</th>
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- Students who have not chosen an area of specialization may begin the program in “Undecided” status; however, they must select a specialization by the time they have earned 60 semester credit hours toward their degree.

Available specializations are:

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

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Demonstrate Skills at Every Step

**BACHELOR’S**

- ASSOCIATE

**EMBEDDED PROGRAMS**

Obtain two additional credentials with our unique 3-in-1 design. All of our courses in our Information Technology (IT) Essentials certificate and Information Technology and Networking associate degree are embedded within this program. Allowing you the opportunity earn a certificate and an associate degree on the way to your bachelor’s of Computer Information Systems degree.