## 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
- Apply knowledge of math and science principles through programming to solve well-defined technology problems
- Design solutions for technology-driven problems
- Contribute to the design of systems, components and/or processes
- Conduct standard tests, measurements and experiments, and analyze and interpret results.

### Specialized
- Install and upgrade networked computer-controlled systems
- Test and measure electronic systems
- Troubleshoot automation and control systems
- Work with programmable logic controllers as they apply to commercial, motor and industrial control

## Quick Facts

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Growth</th>
<th>Length to Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>11%</td>
<td>1 + 4 months</td>
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</table>

### Every Course Counts

If you choose to continue on, all credits apply directly to your bachelor’s, saving you time and money.

### 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.

### Certification Exam Reimbursement

We reimburse qualified students up to $300 for the cost of one industry certification exam attempt across a wide range of fields.

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### Why did you choose DeVry?

“I wanted to gain the skills needed to help me get a career of my dreams!”

- Sharese R., 2015 graduate, Computer Information Systems
## Associate Degree Program
### Information Technology and Networking | Automation and Electronic Systems

### ESSENTIALS (26 CREDIT HOURS)
- **Communication Skills**
  - ENGL112 Composition
  - SPCH275 Public Speaking
- **Humanities**
  - ETHC232 Ethical and Legal Issues in the Professions
- **Social Sciences**
  - SOCS185 Culture and Society
- **Mathematics and Natural Sciences**
  - MATH114 Algebra for College Students
  - PHYS204 Applied Physics with Lab
- **Personal and Professional Development**
  - CARD205 Career Development
  - COLL148 Critical Thinking and Problem-Solving

### TECH CORE (21 CREDIT HOURS)
- **Tech Core**
  - CEIS101 Introduction to Technology and Information Systems
  - CEIS106 Introduction to Operating Systems
  - CEIS110 Introduction to Programming
  - CEIS114 Introduction to Digital Devices
  - NETW190 Fundamentals of Information Technology and Networking I
  - NETW200 Fundamentals of Information Technology and Networking II
  - SEC285 Fundamentals of Information Security

### PROGRAM (1 CREDIT HOURS)
- **Technology Career Preparation**
  - CEIS299 Careers and Technology

### SPECIALIZED (12 CREDIT HOURS)
- **Automation and Electrical Systems (AES)**
  - ECT222 Circuit Analysis Fundamentals
  - ECT225 Electronic Devices and Systems
  - ECT284 Automation and Control Systems with Lab