

ENGINEERING TECHNOLOGY – COMPUTERS



ABOUT THIS DEGREE PROGRAM

A PROGRAM TO FUEL YOUR FUTURE

Learn the foundations of programming, networking and digital systems and apply these skills to create and troubleshoot computer-based systems and applications. Through this program you can develop an understanding in specialized areas such as control systems, communications and advanced computing.

IS THIS PROGRAM FOR YOU?

If you are interested in the development of computer applications, from design to implementation, then this program is for you.

CAREER OPPORTUNITIES

Graduates of DeVry's Engineering Technology – Computers degree program may consider, but are not limited to, the following careers:

- Computer Support Specialist
- Electronics Technician
- Computer Systems Analyst
- Electronics Engineering Technician
- Electrical Engineering Technician

WHAT YOU'LL LEARN

ESSENTIALS

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

PROGRAM

- Work with networked, computer-controlled systems
- Test and measure electronic and digital systems
- Troubleshoot computer-based systems

SPECIALIZED

- Develop microprocessor based systems
- Create programs leveraging algorithms designed to meet user needs
- Apply database programming skills
- Use software application and programming skills to solve business oriented problems

QUICK FACTS

139
CREDIT HOURS
minimum credit hours
required for graduation

3
Years
minimum length
to graduation¹



ACCREDITATION MATTERS

ETAC of ABET promotes technical education excellence by offering programmatic accreditation to Institutions that meet their quality standards. This is a global mark of quality that is valued by employers and professional associations within the Engineering Technology field.

The Engineering Technology – Computers degree program is accredited by The Engineering Technology Accreditation Commission of ABET (ETAC of ABET) www.abet.org.

LEARN
FROM THOSE WHO
LEAD

LEARN FROM THOSE WHO LEAD

Our accomplished faculty of experienced educators is passionate about teaching and guiding students toward success. Shape and build your education with guidance from faculty who challenge you intellectually and provide insight into new learnings from their real-world knowledge and industry expertise.

¹ Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/degree-programs.html>.

ESSENTIALS**62**
CREDIT HOURS**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

| | |
|---------|--------------------------------|
| ECET345 | Signals and Systems with Lab |
| MATH114 | Algebra for College Students |
| MATH190 | Pre-Calculus |
| MATH221 | Statistics for Decision-Making |
| MATH265 | Applied Calculus |
| PHYS204 | Applied Physics with Lab |

PERSONAL AND PROFESSIONAL DEVELOPMENT

| | |
|---------|---------------------------------------|
| CARD405 | Career Development |
| COLL148 | Critical Thinking and Problem-Solving |

PROGRAM**41**
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 |
| NETW191 | Fundamentals of Information Technology & Networking |
| NETW211 | Fundamentals of Cloud Computing |
| SEC285 | Fundamentals of Information Systems Security |

ELECTRONIC CIRCUITS AND DEVICES

| | |
|---------|--|
| ECET365 | Embedded Microprocessor Systems with Lab |
| ECT222 | Circuit Analysis Fundamentals |
| ECT225 | Electronic Devices and Systems |
| ECT284 | Automation and Control Systems with Lab |
| SEC310 | Principles and Theory of Security Management |

SPECIALIZED**36**
CREDIT HOURS**COMPUTER PROGRAMMING AND NETWORKING**

| | |
|---------|---|
| CEIS150 | Programming with Objects |
| CEIS209 | Intermediate Programming |
| CEIS236 | Database Systems and Programming Fundamentals |
| CEIS295 | Data Structures and Algorithms |
| CIS355A | Business Application Programming with Lab |
| NETW411 | Information Security and Mobile Devices |
| WEB375 | Web Architecture with Lab |

CAREER PREPARATION

| | |
|---------|--------------------------------|
| CEIS299 | Careers and Technology |
| CEIS499 | Preparation for the Profession |
| MGMT404 | Project Management |
| TECH460 | Senior Project |