ABOVE THIS PROGRAM

IS THIS PROGRAM FOR YOU?
Want to pursue a career in working with automated, digital systems? This program may be the right fit for you.

A PROGRAM TO FUEL YOUR FUTURE
Develop a basic understanding of engineering principles and apply your knowledge in the implementation of systems, processes and technical operations. Students have the opportunity to customize their program with electives focused on specific technologies of interest and/or business management coursework aligned to their career interests.

EMBEDDED PROGRAM
Earn two additional credentials with our unique 3-in-1 design. All courses in our Engineering Technology certificate program with a specialization in Machine Learning and Design Techniques and Associate in Engineering Technology degree program with a specialization in Machine Learning and Design Techniques are embedded in this program. So, you can earn a certificate and an associate degree on the way to your bachelor’s degree at DeVry.

CAREER OPPORTUNITIES
Graduates of DeVry’s Engineering Technology bachelor’s degree program may consider, but are not limited to, the following careers:
- Electrical Engineering Technician
- Engineering Technician I/II
- Manufacturing Engineering Technician
- Entry-level Project Engineer
- Maintenance Tech Engineer

WHAT YOU’LL LEARN

ESSENTIALS
- Collaborate in a dynamic work environment
- Solve complex problems
- Analyze numerical data
- Apply technical writing skills to develop

TECH CORE
- Illustrate the basics of computing and explain the value of data and troubleshooting
- Install and configure operating systems using Command Line Interface (CLI)
- Solve technical problems using an algorithmic approach and basic programming and coding methods.
- Network, secure, and deploy digital devices and sensors into the internet of things ecosystem

PROGRAM
- Design and analyze circuits ensuring proper construction, voltage and currents
- Understand the essential components of control systems designs and how to apply ladder logic to debug or maintain applications that can be applied in diverse technology fields including biomedical, mechanical, electrical and electronic design
- Examine the application of AI and ML in tech fields
- Learn six sigma and general statistical principles applied to statistical process control to improve products and processes

QUICK FACTS

126 CREDIT HOURS
minimum credit hours required for graduation

40 COURSES

ACCREDITATION MATTERS
ETAC of ABET accredits postsecondary, degree-granting programs that meet their global standards for technical education. This is a global mark of quality that is respected by employers and professional associations within the Engineering Technology field. The Bachelor’s in Engineering Technology degree program is accredited by The Engineering Technology Accreditation Commission of ABET (ETAC of ABET) www.abet.org.

CERTIFICATION EXAM ALIGNED CURRICULUM
Experience elements of our technology curriculum focused on real-world industry standards and prepare for certification opportunities to help validate your knowledge and skills, such as:
- CompTIA Network+
- CompTIA Linux+
- CompTIA A+
- CompTIA ITF+
- PCEP Certified Entry-Level Python Programmer

ACCELERATE ON YOUR SCHEDULE
Choose the schedule that best fits your goals and commitments. You can earn your Bachelor’s Degree in as little as 2 years 8 months.

Or, follow a normal schedule and complete your program in 4 years.

* Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 12-18 credit hours a semester per 12-month period.
** Normal completion time includes breaks and assumes 2 semesters of enrollment in 12-18 credit hours per semester per 12-month period.
Bachelor’s Degree Program | Tech - Engineering Technology

Engineering Technology

ESSENTIALS 35 CREDIT HOURS

COMMUNICATION SKILLS
ENGL112  Composition
ENGL135  Advanced Composition
ENGL216  Technical Writing

Select one
SPCH275  Public Speaking
SPCH276  Intercultural Communication

HUMANITIES
LAS432  Technology, Society, and Culture

Select one
ETHC232  Ethical and Legal Issues in the Professions
ETHC334  Diversity, Equity and Inclusion in the Workplace

SOCIAL SCIENCES
ECON312  Principles of Economics
SOCS185  Culture and Society

Select one
SOCS325  Environmental Sociology
SOCS350  Cultural Diversity in the Professions

PERSONAL AND PROFESSIONAL DEVELOPMENT
CARD405  Career Development
COLL148  Critical Thinking and Problem-Solving

BE AN ACTIVE PART OF AN INCLUSIVE FUTURE
Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These course options – denoted by this icon – highlight relevant topics to help empower you to promote an inclusive workplace.

TECH CORE 15 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 and Networking

TECH CORE

PROGRAM 63 CREDIT HOURS

MATHEMATICS AND NATURAL SCIENCES
ECT345  Signals and Systems
MATH114  Algebra for College Students
MATH190  Pre-Calculus
MATH265  Applied Calculus
TECH204  Everyday Physics
TECH221  Data-Driven Decision-Making
TECH301  Design of Experiments

PROGRAM FOCUS
ECT226  Electronic Device and System Foundations
ECT286  Automation and Control
ECT308  Introduction to Computer-Aided Design
TECH231  Introduction to Artificial Intelligence Applications
TECH310  Process Improvement

Three of:
ECT313  Generative Design
ECT315  Industrial IoT
ECT320  Manufacturing Processes and Systems
ECT325  Electromechanical Systems
NETW212  Introduction to Cloud Computing
SEC285  Fundamentals of Information Security

CAREER PREPARATION
CEIS298  Introduction to Technical Project Management
CEIS499  Preparation for the Profession
MGMT404  Project Management
TECH408  Applied AI for Management and Technology
TECH460  Senior Project

TECHNICAL & BUSINESS SELECTION 13 CREDIT HOURS

Student’s select applicable courses from the College of Engineering & Information Sciences and the College of Business & Management provided prerequisites are met. At least two courses must be at the 300-level or higher.

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In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), www.hlcommission.org. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. Lisle Campus: 4225 Naperville Rd., Ste. 400, Lisle, IL 60532. Information complaints may be reported to the Illinois Board of Higher Education through the online complaint system https://complaints.illinois.gov, or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377. Program availability varies by location. In site-based programs, students will be required to take a substantial amount of coursework online to complete their program. ©2024 DeVry Educational Development Corp. All rights reserved. Version 5/20/2024