Graduates of DeVry’s Engineering Technology associate degree program with a specialization in Machine Learning and Design Techniques may consider, but are not limited to, the following careers:

• Electrical and Electronic Engineering Technologists and Technicians
• Engineering Prototyping and Fabrication Tech Support Specialist
• Electro-Mechanical and Mechatronics Technologists and Technicians
• Engineering CAD Technician
• Engineering Technologist and Technicians, Except Drafters, All Other
• Industrial Engineering Technologists and Technicians
• Manufacturing Engineering Technician

**IS THIS PROGRAM FOR YOU?**

If you are interested in understanding how machine learning models can help inform process improvements, then this may be the right program for you.

**A PROGRAM TO FUEL YOUR FUTURE**

Explore how systems are designed and ways to improve existing processes leveraging machine learning when you pursue this specialization.

Students will utilize computer design tools to create three dimensional models and explore process improvements. This includes developing, testing and training machine learning models to apply linear regression for making predictions.

**CAREER OPPORTUNITIES**

Students will utilize computer design tools to create three dimensional models and explore process improvements. This includes developing, testing and training machine learning models to apply linear regression for making predictions.

**WHAT YOU’LL LEARN**

**ESSENTIALS**

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

**TECH CORE**

• Produce, secure, operate and troubleshoot a small enterprise network
• Network, secure and deploy digital devices and sensors into the Internet of Things 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**

• 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

**SPECIALIZED**

• Utilize data and analysis techniques to solve problems and drive decisions
• Leverage computer-aided design (CAD) software to facilitate the generation, modification and optimization of system design
• Explore and apply process improvement methodologies to evaluate and enhance the performance of systems
• Solve technical problems using an algorithmic approach and basic programming and coding methods

**QUICK FACTS**

**CREDIT HOURS**

64 minimum credit hours required for graduation

**COURSES**

21

**SKILLS FOCUSED**

• CompTIA
• CompTIA Network+
• CompTIA Cloud+

**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:

**DIVERSITY, EQUITY & INCLUSION**

Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These options highlight relevant topics to help empower you to promote an inclusive workplace.

**BE AN ACTIVE PART OF AN INCLUSIVE FUTURE**

Choose the schedule that best fits your goals and commitments. You can earn your Associate Degree in as little as 1 year 4 months.

Or, follow a normal schedule and complete your program in 2 years.

*Per 12-month period, assumes completion of three full-time semesters (typically two courses per session) and continuous, year-round enrollment with no breaks. See catalog for details.
## Associate Degree Program | Tech - Engineering Technology

### Engineering Technology - Machine Learning and Design Techniques

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<td>CEIS101</td>
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<td>ETHC232 Ethical and Legal Issues in the Professions</td>
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<tr>
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This icon indicates Diversity, Equity & Inclusion Courses

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**How do credentials stack?**

This Associate in Engineering Technology with a specialization in Machine Learning and Design Techniques can serve as a steppingstone to our Engineering Technology bachelor’s degree. If you choose to continue on with your education, all credits apply to this credential. Build your confidence – and your resume – when you start your journey at DeVry.*

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*The figures displayed represent the minimum credit hours required for graduation. At the time of application to the next credential level, an evaluation of qualifying transfer credit will occur and the most beneficial outcome will be applied.