

# Find Your Future!



The Engineering Technology curriculum provides the learner with working knowledge of engineering technology, including basic and advanced drafting and design principles using various 2D and 3D CAD systems, integrating Lean principles in the design process and knowledge of working with various measurement devices used in determining Quality Assurance of prototypes and finished goods.

## Engineering Technology — Mechatronics

Triton College has several options for Degree and Certificate programs in the Engineering Technology field.

### Available 2-Year Degrees include:

- Engineering Technology – Mechanical Design
- Engineering Technology—Mechatronics

### Triton Certificates include:

- Engineering Technology—CAD Advanced
- Engineering Technology—Design
- Engineering Technology—Electrical
- Engineering Technology—Fabrication
- Engineering Technology– Mechatronics
- Engineering Technology—Welding

# Can I See Myself Doing This?



Am I good with Things and Ideas?

Start your 2 Year Triton Degree Engineering Technology/Mechatronics

	Course 1	Course 2	Course 3	Course 4
Course	<b>ENT 110</b> <b>Engineering Design</b> <b>Graphics/CAD</b>	<b>ENT 204</b> <b>Programmable Logic</b> <b>Controllers I</b>	<b>ENT 205</b> <b>Robotics 1</b>	<b>ENT 252</b> <b>Introduction to</b> <b>Mechanical AutoCAD</b>
Triton Credential	Engineering Tech / Mechatronics Degree	Engineering Tech / Mechatronics Degree	Engineering Tech / Mechatronics Degree	Engineering Tech / Mechatronics Degree
		Engineering Tech / Mechatronics Certificate	Engineering Tech / Mechatronics Certificate	

**Get started in Mechatronics with these courses required for the 2 year Engineering Technology/Mechatronics Degree at Triton College. All four of the above listed courses qualify for dual credit!**

Q: How does that help me?

A: This means you can request electives at Triton College that will:

1. Earn elective credit at your high school, AND
2. Earn college transcript credit at Triton, AND
3. Complete 2 courses towards a Certificate in Engineering Technology/Mechatronics, AND
4. Complete 4 courses towards completion of degree requirements at Triton in this A.A.S. program—while you are in high school!

**Ask your counselor about making space in your schedule to take dual credit classes that can help move you closer to your career goals!!**

**Are you ready to commit to building your future?**

## JOB ZONE

**Education**— Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.

**Experience**— Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.

**Training**— Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

### Mechanical Engineering Technologist

<b>EARNINGS</b> —	Entry	Median Annual	Experienced
	\$44,747.	\$64,572.	\$76,619.
Hourly	\$ 21.51	\$31.04	\$36.84

Source: This information is based on O\*NET data. O\*NET is a trademark registered to the US Department of Labor, Employment and Training Administration.

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## Technology

### Analytical or scientific software

- ANSYS
- ANSYS FLUENT
- Data acquisition software
- Finite element method FEM software
- Intellisense Intellisuite
- ProModel
- The MathWorks MATLAB

### Computer aided design CAD software

- Autodesk AutoCAD
- Autodesk Inventor
- Bentley Microstation
- Computer aided design CAD software
- Dassault Systemes SolidWorks
- Mathsoft Mathcad
- PTC Pro/ENGINEER Mechanical

### Computer aided manufacturing CAM software

- Computer aided manufacturing CAM software

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### Credits

<https://careertech.org/STEM>

<https://illinois.virtuallmi.com/vosnet/lmi/profiles/profileDetails.aspx?>

[session=occdetail&valueName=occupation&cbooccupation=17302907&cbooccupationTYPES=12&section=description](https://illinois.virtuallmi.com/vosnet/lmi/profiles/profileDetails.aspx?session=occdetail&valueName=occupation&cbooccupation=17302907&cbooccupationTYPES=12&section=description)

# What Will Your Story Be?

*“Whatever you are, be a  
good one.”*

*Abraham Lincoln*

*“Find something that  
captures your attention and  
go for it.”*

## Get Paid To Do What You Love!



## Choose Your Career Path . . .

There are 16 Career Clusters in the National Career Clusters Framework, representing more than 79 Career Pathways to help students navigate their way to greater success in college and career! With so many options to consider, where do you start?

First, take a career assessment at your school, to help narrow down the choices that could be a great fit for you. Then start learning about those careers. What are the opportunities? The work environments?

Next, look at what kind of training you need to prepare for that career. Some positions offer on-the-job training. Others require some type of industry credential. Still others may require a post-secondary certificate or degree. What training do you need **to get the career you want?**

Related Occupations	(Median wages)
<a href="#">Electro-Mechanical Technicians</a> 🌱	\$40.01
<a href="#">Robotics Technicians</a> 💎 🌱	\$40.01
<a href="#">Electrical and Electronic Engineering Technicians</a>	\$33.59
<a href="#">Electronics Engineering Technicians</a> 🌱	\$33.59
<a href="#">Electrical Engineering Technicians</a> 🌱	\$33.59
<a href="#">Civil Engineering Technicians</a>	\$33.19
<a href="#">Mechanical Engineering Technicians</a>	\$31.17
<a href="#">Engineering Technicians, Except Drafters, All Other</a>	\$31.04
<a href="#">Electrical Engineering Technologists</a> 💎 🌱	\$31.04
<a href="#">Electromechanical Engineering Technologists</a> 💎 🌱	\$31.04
<a href="#">Electronics Engineering Technologists</a> 💎 🌱	\$31.04
<a href="#">Industrial Engineering Technologists</a> 💎 🌱	\$31.04
<a href="#">Nanotechnology Engineering Technicians</a> 💎 🌱	\$31.04
<a href="#">Manufacturing Engineering Technologists</a> 💎 🌱	\$31.04