

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 - CAD Advanced

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?

Complete your Triton Engineering Technology/CAD Advanced Certificate

	Course 1	Course 2	Course 3	Course 4
Course	ENT 110 Engineering Design Graphics/CAD	ENT 252 Intro to Mechanical AutoCAD	ENT 255 Autodesk Inventor Design & Rendering	ENT 280 Solid Works Design & Rendering
Triton Credential	Engineering Tech / CAD Advanced Certificate	Engineering Tech / CAD Advanced Certificate	Engineering Tech / CAD Advanced Certificate	Engineering Tech / CAD Advanced Certificate
	Engineering Tech/Design Certificate	Engineering Tech/Design Certificate	Engineering Tech/Design Certificate	Engineering Tech/Design Certificate
	Engineering Technology Degree	Engineering Technology Degree	(elective)	(elective)

Get started in Engineering Technology with these courses that apply to the Engineering Technology/CAD Advanced Certificate 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 a 4 course Certificate in Engineering Technology/CAD Advanced AND
4. Earn 4 required courses towards Engineering Design Certificate AND
5. Earn 4 courses towards Engineering Technology Degree —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.

CAD CIVIL Drafter

EARNINGS —	Entry	Median Annual	Experienced
	\$47,904.	\$63,197.	\$75,422.
Hourly	\$ 23.03	\$ 30.38	\$ 36.26

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.

Technology

Computer aided design CAD software

- Autodesk AutoCAD
- Autodesk AutoCAD Civil 3D
- Autodesk Land Desktop
- Autodesk Revit
- Autodesk Softdesk
- Bentley Microstation
- Bentley WaterCAD
- Computer aided design and drafting software CADD
- ENERCALC FastFrame
- Piping and instrumentation design PID software
- PTC Creo Parametric

Three-dimensional modeling software

Data base user interface and query software

- ARCOM Masterspec
- Microsoft Access

Document management software

Adobe Systems Adobe Acrobat

Credits

<https://careertech.org/manufacturing>

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

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What Will Your Story Be?

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

“I just took a course in high school and I really enjoyed the work, so I decided to keep on going with it. I am going for my Associate’s Degree.”

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

Architectural and Civil Drafters

Architectural Drafters

Robotics Technicians

Electrical and Electronic Technicians

Personality

Attention to Detail

Job requires being careful about detail and thorough in completing work tasks.

Analytical Thinking

Job requires analyzing information and using logic to address work-related issues and problems.

Dependability

Job requires being reliable, responsible, and dependable, and fulfilling obligations.

Integrity

Job requires being honest and ethical.

Initiative

Job requires a willingness to take on responsibilities and challenges.

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