Engineering Design Technology

If you have a knack for drawing and enjoy doing so on a computer, the Engineering Design Technology associate's degree could be for you! You'll learn how to take product ideas and transform them into engineering models and documentation using CAD computer software packages like these.

- AutoCad
- Catia
- Solid Works

Students will learn how to create engineering documentation, conduct reverse engineering, and investigate product improvement. You'll also produce 3D prototypes and discover the capabilities and limitations of equipment such as 3D printers and laser cutters. Study the importance of electrical systems, programming, and manufacturing processes as a design technician. Learn to create packaging, schematics, and process and instrumentation diagrams.

With your degree, you could find employment as part of a design team by manufacturing, engineering, construction, and mechanical design companies.

Learn more about program requirements and related certificates.

PLUS

Students in the EDT program work on real world problems from the first semester.

Most students in the EDT program are working in the field part time during their second year in the program and have full time jobs prior to graduation.

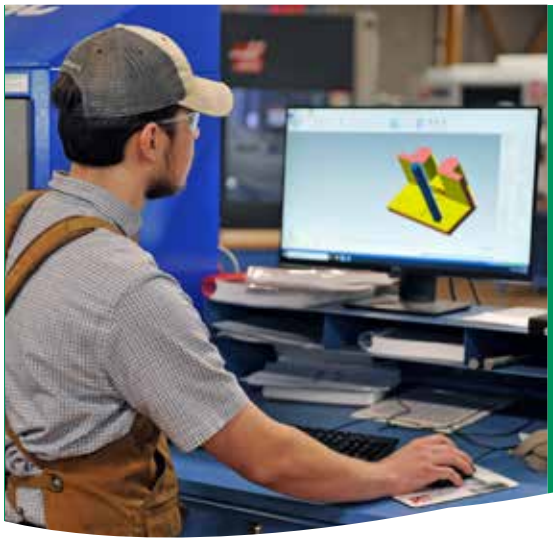
Students in the EDT program have the opportunity to work on interdisciplinary projects using design skills where they can learn other aspects of engineering.

tctc.edu/EDT

TCTC
Tri-County Technical College

Career Outlooks and Average Salaries

Job Title	What You Do	Salary			# Job Openings
		Entry	Median	Skilled	
Commercial and Industrial Designers	Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.	$46,126	$72,592	$107,859	21
Civil Drafters	Prepare drawings and topographical and relief maps used in civil engineering projects, such as highways, bridges, pipelines, flood control projects, and water and sewerage control systems.	$36,389	$59,230	$113,446	42
Electrical and Electronics Drafters	Draw wiring diagrams, circuit board assembly diagrams, schematics, and layout drawings used for manufacture, installation, and repair of electronic equipment.	$32,879	$56,037	$97,574	6
Mechanical Drafters	Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.	$37,384	$59,462	$103,867	29



Tri County Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees. Tri County Technical College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Tri County Technical College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033 4097, by calling (404) 679 4500, or by using information available on SACSCOC s website (www.sacscoc.org).

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TCTC.edu/APPLY

SC WINS Eligible

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EOE/AA