



Engineering Systems Technology

If you enjoy solving problems and want to work with sophisticated robots, you should definitely consider Engineering Systems Technology. The program teaches students how computers communicate with machines. You'll learn to program and troubleshoot computers, robots, and automated equipment. This degree prepares the student

to pursue a career as an electromechanical or automation technician.

Learn more about program requirements and related certificates. Scroll to the degree program and select “display programs.”

PLUS



Created with employer input, Tri-County's Engineering Systems Technology program produces graduates in high demand for great paying jobs in companies that are using the latest technologies for competing in the global marketplace.



Students build a competitive and marketable resume for a variety of employment opportunities, primarily in advanced manufacturing, including aerospace, automotive, medical, and plastics.

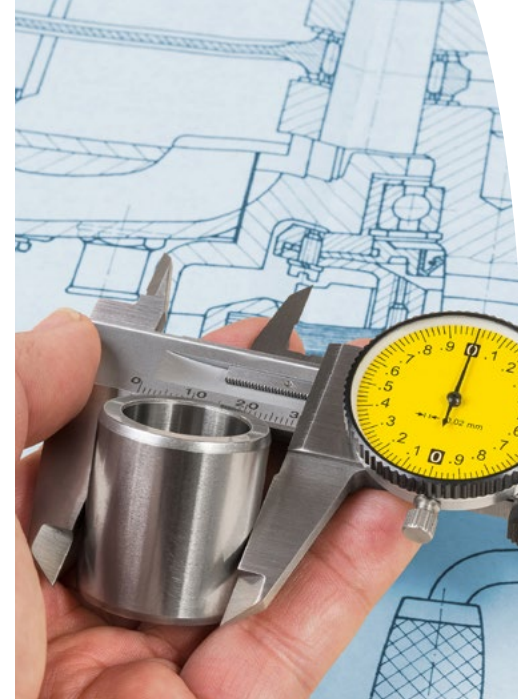


We have also designed an engineering science transfer certificate that covers courses ordinarily required of first-year students in a four-year engineering program.



Career Outlooks and Average Salaries

Job Title	What You Do	Salary			# Job Openings
		Entry	Median	Skilled	
Mechanical Engineering Technologists and Technicians	Apply theory and principles of mechanical engineering to modify, develop, test, or adjust machinery and equipment under direction of engineering staff or physical scientists.	\$46,202	\$61,217	\$79,921	36
Electrical and Electronics Drafters	Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical 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
Aerospace Engineering & Operations Technologists and Technicians	integrated computer/communications systems, consoles, simulators, and other data acquisition, test, and measurement instruments and equipment, which are used to launch, track, position, and evaluate air and space vehicles.	\$38,261	\$58,147	\$101,471	3
Industrial Engineering Technologists and Technicians	Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency	\$43,621	\$58,188	\$94,506	98
Electro-Mechanical and Mechatronics Technologists and Technicians	Operate, test, maintain, or adjust unmanned, automated, servomechanical, or electromechanical equipment. May operate unmanned submarines, aircraft, or other equipment to observe or record visual information at sites such as oil rigs, crop fields, buildings, or for similar infrastructure, deep ocean exploration, or hazardous waste removal.	\$30,745	\$60,550	\$81,884	7



CONNECT WITH US

Program Director
Dorian McIntire
Telephone: 864-646-1481
Email: dmcinti1@tctc.edu

Academic Resource Specialist
Katee Fletcher
864-646-1508
kfletch1@tctc.edu

Division Office
864-646-1375
eit@tctc.edu

TCTC.edu/APPLY

SC WINS Eligible



TCTC
Tri-County Technical College

EOE/AA