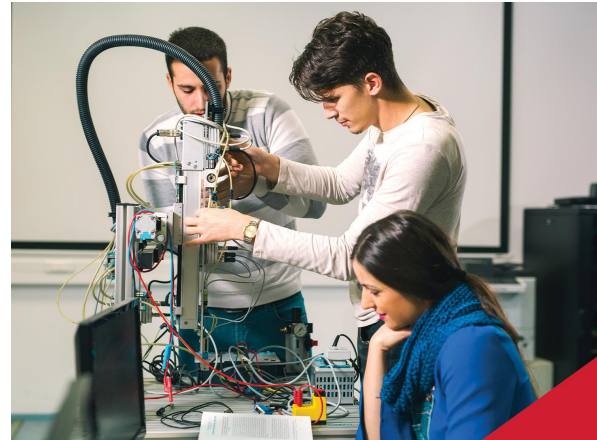


INDUSTRIAL CONTROLS & ROBOTICS TECHNOLOGY



PROGRAM DETAILS

Our program provides training on automated manufacturing processes, the role of robots, and support equipment. Our instructors provide you specialized instruction in these high-tech systems. You will learn the skills to troubleshoot, program and operate high-speed, high-precision automated systems and put your training to work.



INDUSTRIAL CONTROLS & ROBOTICS TECHNOLOGY PATHWAY

Course	Course Name	Credit Hours
CETT 1303	DC Circuits	3
DFTG 1309	Basic Computer Aided Drafting	3
RBTC 1343	Robotics Fundamentals	3
CETT 1305	AC Circuits	3

Advanced Manufacturing And Machinery Program of Study

The Advanced Manufacturing and Machinery program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. CTE learners may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal. CTE concentrators may work in a variety of fields of engineering.

TSTC AWARDS	Median Wage
Certificate II	\$15-\$22/Hour
Associate Degree	\$20-\$30/Hour

CAREER OPPORTUNITIES



Automation is increasing and continues to transform many industries from manufacturing, production and even warehouse operations. Being skilled in robotics and industrial automation means having the opportunity to work in many different industries and the future in this field holds limitless possibilities. The demand for skilled, qualified professionals in automation will continue to increase in Texas, the second largest employer of robotics and automation technicians in the nation.

Automated technology in today's workplace requires highly-trained technicians who have technical knowledge and hands-on experience. As humans and machines collaborate more closely on complex jobs, there's more of a need for trained and qualified technicians. At TSTC you will learn to program and interface robots with other industrial systems and get the practice you need to put these skills into action on the job.

Industrial Controls & Robotics Technology Course Information (PEIMS)

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
CETT 1303 DC Circuits/ Manufacturing Engineering Technology I	13032900 (1 credit)	None	None
DFTG 1309 Basic Computer Aided Drafting/ Engineering Design and Presentation I	13036500 (1 credit)	None	None
RBTC 1343 Robotics Fundamentals/ Robotics I	13037000 (1 credit)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
CETT 1305 AC Circuits/ Manufacturing Engineering Technology II	13032950 (1 credit)	None	None