

ELECTRICAL POWER AND CONTROLS



PROGRAM DETAILS

At TSTC, you will be equipped for employment with extensive classroom and lab experience. Receive hands-on training in AC and DC circuits, motor controls, as well as computer software packages for engineering, designing, and drafting. With TSTC’s Money-Back Guarantee, you can be sure that you will have a job within six months of graduation or receive a tuition refund. Now that’s the kind of power and control you can be sure of.



Electrical Power & Controls Pathway

Course	Course Name	Credit Hours
ELPT 1321	Introduction to Electrical Safety & Tools	3
CETT 1303	DC Circuits	3
CETT 1305	AC Circuits	3
CETT 1341	Motor Controls	3

Advanced Manufacturing And Machinery Mechanics Program of Study

The Advanced Manufacturing and Machinery mechanics 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
Dual Enrollment Pathway	\$24-\$39/Hour
Associate Degree	\$24-\$39/Hour

CAREER OPPORTUNITIES



Feel the power and take control of your career! Become enrolled in the only two-year associate degree program in Texas specifically focused on electrical power technology. In this program, you will receive specialized instruction in the engineering, design, testing and maintenance of electrical systems.

Get specialized instruction in a highly technical field that will lead to a new professional career opportunity. You can apply your skills in a variety of work environments including manufacturing facilities and processing plants, as well as, the generation, transmission and distribution sectors. Wherever power is being, used, controlled, generated, or moved there's an opportunity for you.

Electrical Power & Controls Course Information (PEIMS)

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
ELPT 1321 Introduction to Electrical Safety & Tools/ Manufacturing Engineering Technology I	13032900 (1 credit)	None	None
CETT 1303 DC/ Manufacturing Engineering Technology I	13032900 (1 credit)		

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
ELMT 1374 Introduction to Electromechanical System/ Manufacturing Engineering Technology II	13032950 (1 credit)	Manufacturing Engineering Technology I	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
CETT 1325 Digital Fundamentals/ Practicum in Manufacturing	13033000 (2 credit)	None	None