

PROCESS OPERATIONS TECHNOLOGY



PROGRAM DETAILS

Our program at TSTC gives you hands-on laboratory experience in the science and art of engineering mechanics, and statistical process control. You can add even more experience to your resume by working in internships and cooperative programs with one of our well-known industry partners. The more industry experience you get, the better your chances of getting a job quickly.



Process Operations Technology Pathway

Course	Course Name	Credit Hours
PTAC 2314	Principles of Quality	3
PTAC 2438	Process Technology III - Operations	4
PTAC 2446	Process Troubleshooting	4
TECM 1303	Technical Calculations	3

Refining and Chemical Processes Program of Study

The Refining and Chemical Processes program of study helps CTE learners discover how to monitor, adjust, and control different equipment housed in petrochemical plants and refineries. It introduces students to the computer technology and instrumentation used to operate a variety of equipment systems and industrial processes, helping students build the skills needed to operate these systems.

TSTC AWARDS	Median Wage
Dual Enrollment Pathway	Min-\$15/Hour
Certificate II	\$19-\$31/Hour
Associate Degree	\$28-\$42/Hour

CAREER OPPORTUNITIES



Are you all about the processes and understanding how things work? As a Process Operations Technician, you can be the key member of a team. You'll be responsible for planning, analyzing, and controlling products, from acquiring raw materials through the production and distribution to consumers. Many industries rely on Process Operations Technicians, including chemical, food and beverage, oil production, and pharmaceuticals.

Because of their skills and training, Process Technicians are involved at all stages of a manufacturing process. The job requires individuals to follow strict internal protocols. A Process Technician follows strict internal protocols and will be responsible for a single specific step in the manufacturing process. Their job is to know this process in great detail—they are responsible for correction along the way.

Process Operations Technology Course Information (PEIMS)

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
PTAC 1302 Introduction to Process Technology/ Introduction to Process Technology	13040502 (1 credit)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
PTAC 1308 Safety Health and Environment/ Petrochemical Safety Health and Environment	13040502 (1 credit)	Welding I	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
PTAC 2314 Principles of Quality/ Practicum in Energy	N1303910 (2 credits)	None	None