

# PROCESS TECHNOLOGY

The Process Technology Program offers students core courses related to the process operations industry that will prepare them to develop in their careers as safe, efficient and environmentally responsible Process Technicians. Students entering this program should realize that Process Operators generally work rotating shifts in both hot and cold environments, perform tasks requiring good mental and physical aptitude, climb tall structures and work with a variety of chemicals.

The Process Technology program is committed to serving the community and industry in partnership with a quality, industry-driven curriculum. The program will develop and supply a technically prepared workforce in the Operator profession for the petrochemical industry. In addition to developing technical knowledge regarding plant operations, Process Technology students will develop communication and team building skills throughout the program.

An advisory committee consisting of education and industry representatives meets regularly to review, provide feedback and direct improvements in the program.

## Graduation Requirements

To be eligible for an Associate of Applied Science degree in Process Technology, students must have

1. Completed the prescribed courses listed in this Catalog with an overall grade point average of 2.0 or better,
2. Passed each class listed in the prescribed course of study with a grade of "C" or better,
3. Met any individually prescribed behavior or remediation-related requirements.

*Effective September 1, 2017, HB 1508 amends the Texas Occupations Code Section 53 that requires education providers to notify potential or enrolled students that a criminal history may make them ineligible for an occupational license upon program completion. Program specific information will be provided in course syllabi.*

## Associate of Applied Science Degree - Petrochemical Process Technology

### Full-Time Student Schedule

Course	Title	Semester Credit Hours
<b>Semester #1</b>		
ENGL 1301	Composition I	3
MATH 1314	College Algebra	3
PTAC 1302	Introduction to Process Technology	3
PSYC 2301 or SOCI 1301	General Psychology or Introduction to Sociology	3
<b>Semester Credit Hours</b>		<b>12</b>
<b>Semester #2</b>		
CHEM 1405	Introductory Chemistry I (Process Tech) / Occupational Safety)(030)	4
PTAC 1310	Process Technology I - Equipment	3
PTAC 1308	Safety, Health, and Environment I	3

PHIL 2306 or HUMA 1301	Introduction to Ethics or Introduction to the Humanities I	3
<b>Semester Credit Hours</b>		<b>13</b>
<b>Semester #3</b>		
PHYS 1401 or PHYS 1410	College Physics I or Applied Physics	4
PTAC 1332	Process Instrumentation I	3
PTAC 1350	Industrial Economics	3
PTAC 2314	Quality	3
<b>Semester Credit Hours</b>		<b>13</b>
<b>Semester #4</b>		
PTAC 2420	Process Technology II - Systems	4
PTAC 1354	Industrial Processes	3
Select from one of the following:		3
SPCH 1315	Public Speaking	
SPCH 1321	Business & Professional Communication	
BUSI 2304	Business Report Writing and Correspondence	
PHED 1164	Introduction to Physical Fitness and Wellness	1
<b>Semester Credit Hours</b>		<b>11</b>
<b>Semester #5</b>		
PTAC 2346	Process Troubleshooting	3
PTAC 2438	Process Technology III - Operations	4
CTEC 2445	Unit Operations <sup>1</sup>	4
<b>Semester Credit Hours</b>		<b>11</b>
<b>Total Semester Credit Hours</b>		<b>60</b>

<sup>1</sup> Capstone course