

PETROCHEMICAL PROCESS TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE DEGREE

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.

Full-Time Student Schedule

Course	Title	Semester Credit Hours
Semester #1		
ENGL 1301	Composition I ²	3
TECM 1343 or MATH 1314	Technical Algebra and Trigonometry ² or College Algebra	3
PTAC 1302	Introduction to Process Technology	3
PSYC 2301 or SOCI 1301	General Psychology ² or Introduction to Sociology	3
Semester Credit Hours		12
Semester #2		
CHEM 1405	Introductory Chemistry I (Process Tech) / Occupational Safety)(030) ²	4
PTAC 1310	Process Technology I - Equipment	3

PTAC 1308	Safety, Health, and Environment I	3
PHIL 2306 or HUMA 1301	Introduction to Ethics ² or Introduction to the Humanities I	3
Semester Credit Hours		13
Semester #3		
PHYS 1401 or PHYS 1410	College Physics I ² or Elementary Physics	4
PTAC 1332	Process Instrumentation I	3
PTAC 1350	Industrial Economics	3
PTAC 2314	Quality	3
Semester Credit Hours		13
Semester #4		
PTAC 2420	Process Technology II - Systems	4
PTAC 1354	Industrial Processes	3
Select from one of the following:		3
SPCH 1315	Public Speaking ²	
SPCH 1321	Business & Professional Communication ²	
BUSI 2304	Business Report Writing and Correspondence ²	
PHED 1164	Introduction to Physical Fitness and Wellness ²	1
Semester Credit Hours		11
Semester #5		
PTAC 2346	Process Troubleshooting	3
PTAC 2438	Process Technology III - Operations	4
CTEC 2445	Unit Operations ¹	4
Semester Credit Hours		11
Total Semester Credit Hours		60

¹ Capstone course

² Course(s) listed in the Texas Common Course Numbering System (<https://tcns.org/institution/id:14/yid:19/>)

Part-Time Student Schedule

Course	Title	Semester Credit Hours
Semester #1		
ENGL 1301	Composition I	3
PTAC 1302	Introduction to Process Technology	3
PSYC 2301 or SOCI 1301	General Psychology ² or Introduction to Sociology	3
Semester Credit Hours		9
Semester #2		
TECM 1343 or MATH 1314	Technical Algebra and Trigonometry ² or College Algebra	3
PTAC 1310	Process Technology I - Equipment	3
PTAC 1308	Safety, Health, and Environment I	3
Semester Credit Hours		9
Semester #3		
CHEM 1405	Introductory Chemistry I (Process Tech) / Occupational Safety)(030)	4

PHIL 2306	Introduction to Ethics ²	3
or HUMA 1301	or Introduction to the Humanities I	
Select from one of the following:		3
SPCH 1315	Public Speaking (Select for one of the following.) ²	
SPCH 1321	Business & Professional Communication ²	
BUSI 2304	Business Report Writing and Correspondence ²	
Semester Credit Hours		10
Semester #4		
PHYS 1401	College Physics I ²	4
or PHYS 1410	or Elementary Physics	
PTAC 1332	Process Instrumentation I	3
PTAC 1350	Industrial Economics	3
Semester Credit Hours		10
Semester #5		
PTAC 2314	Quality	3
PTAC 2420	Process Technology II - Systems	4
PTAC 1354	Industrial Processes	3
Semester Credit Hours		10
Semester #6		
PHED 1164	Introduction to Physical Fitness and Wellness	1
Semester Credit Hours		1
Semester #7		
PTAC 2346	Process Troubleshooting	3
PTAC 2438	Process Technology III - Operations	4
Semester Credit Hours		7
Semester #8		
CTEC 2445	Unit Operations ¹	4
Semester Credit Hours		4
Total Semester Credit Hours		60