

ENGINEERING AND INDUSTRIAL TECHNOLOGY – PROCESS TECHNOLOGY OPTION

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

PROGRAM REQUIREMENTS		SUGGESTED COURSE SEQUENCE		The Associate of Applied Science Degree program in Process Technology is developed in partnership with the Conoco/Phillips, British Petroleum, Sunoco, Valero, Sinclair, and other petrochemical corporations. It is designed to provide the student with entry level training to become a Process Technician in the petrochemical industry.
	Credit Hours		Credit Hours	
GENERAL EDUCATION COURSES	27 TOTAL HOURS	FIRST SEMESTER	14 TOTAL HOURS	<p>Current partners include:</p> <p>Phillips 66 Refining, Pipeline, & R&D</p> <p>Koch Industries</p> <p>OG&E</p> <p>Tessenderlo Kerley Industries</p> <p>Oklahoma Municipal Power Authority</p> <p>NRCA Refining</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> • Industry • Petrochemical Process Technician • Process Technician • Refinery <p>NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT Northern Oklahoma College (http://www.noc.edu/act) for placement guidelines.</p>
ENGLISH COMPOSITION COURSES		ENGL 1113 English Composition I	3 hours	
ENGL 1113 English Composition I	3 hours	MATH 1113 Technical Math (OR)	3 hours	
SPCH 1713 Introduction to Oral Communication	3 hours	MATH 1513 College Algebra	3 hours	
HISTORY AND GOVERNMENT COURSES		ORNT 1101 Freshman Orientation	1 hour	
HIST 1483 American History to 1877		**PTEC 1113 Introduction to Process Technology	3 hours	
(OR) HIST 1493 American History Since 1877	3 hours	**PTEC 2024 Industrial Instrumentation	4 hours	
POLI 1113 American Government	3 hours	SECOND SEMESTER	17 TOTAL HOURS	
HUMANITIES COURSES		BSAD 1113 Digital/Financial Literacy	3 hours	
Electives	6 hours	HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877	3 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.		PHYS 2104 Concepts in Physics	3 hours	
MATHEMATICS COURSES		PTEC 2014 Process Tech I-Equipment	4 hours	
MATH 1513 College Algebra	3 hours	PTEC 1313 Safety, Health, & Work Practices	3 hours	
SCIENCE COURSES		THIRD SEMESTER	18 TOTAL HOURS	
CHEM 1014 Concepts in Chemistry	4 hours	POLI 1113 American Government	3 hours	
PHYS 2104 Concepts in Physics	4 hours	SPCH 1713 Introduction to Oral Communication	3 hours	
ORIENTATION COURSES		CHEM 1014 Concepts in Chemistry	4 hours	
ORNT 1101 Freshman Orientation	1 hour	PTEC 2124 Process Tech II- Systems	4 hours	
GENERAL EDUCATION ELECTIVE COURSES		PTEC 2243 Principles of Quality	3 hours	
BSAD 1103 Introduction to Business (OR)		PRDV 2321 Professional Development	1 hour	
ECON 2123 Microeconomics Principles	3 hours	FOURTH SEMESTER	18 TOTAL HOURS	
PROGRAM REQUIREMENT COURSES	37 TOTAL HOURS	CHEM 2014 Process Organic Chemistry	4 hours	
BSAD 1113 Digital/Financial Literacy (or other approved computer course)	3 hours	BSAD 1103 Introduction to Business (OR) ECON 2123 Microeconomics Principles	3 hours	
**CHEM 2014 Process Organic Chemistry	4 hours	PTEC 2214 Process Tech III- Operations	4 hours	
**PTEC 1113 Introduction to Process Technology	3 hours	PTEC 1124 Process Troubleshooting	4 hours	
**PTEC 1313 Safety, Health, & Work Practices	3 hours	PTEC 2301 Industrial Observation	1 hour	
**PTEC 2014 Process Technology I-Equipment	4 hours			
**PTEC 2024 Industrial Instrumentation	4 hours			
**PTEC 2124 Process Technology II-Systems	4 hours			
**PTEC 2214 Process Technology III-Operations	4 hours			
**PTEC 1124 Process Troubleshooting	4 hours			
**PTEC 2243 Principles of Quality	3 hours			
**PRDV 2321 Professional Development	1 hour			
RECOMMENDED PROGRAM ELECTIVE COURSES	4 TOTAL HOURS			
ENGL 1223 Technical Writing	3 hours			
PTEC 2301 Industrial Observation	1 hour			
TOTAL CREDIT HOURS	64			

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.

**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.