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

General Education Courses - 27 Total Credit Hours

English Composition Courses

ENGL 1113 English Composition I	3 hours
SPCH 1713 Intro to Oral Communication	3 hours

History & Government Courses

HIST 1483 Amer. History to 1877	3 hours
(or) HIST 1493 Amer. History Since 1877	
POLI 1113 American Government	3 hours

Mathematics Courses

MATH 1483 Math Functions	3 hours
(or) MATH 1513 Algebra for STEM	

Science Courses

CHEM 1014 Concepts in Chemistry	4 hours
PHYS 2104 Concepts in Physics	4 hours

Orientation Courses

ORNT 1101 Freshman Orientation	1 hour

General Education Elective Courses

BSAD 1103 Introduction to Business	3 hours
(or) ECON 2123 Microeconomics Principles	

Program Requirement Courses - 37 Total Hours

BSAD 1113 Digital/Financial Literacy	3 hours
(or other approved computer course)	
**CHEM 2014 Process Organic Chemistry	4 hours
**PTEC 1113 Intro to Process Technology	3 hours
**PTEC 1313 Safety, Health, & Work Practices	3 hours
**PTEC 2014 Process Tech I-Equipment	4 hours
**PTEC 2024 Industrial Instrumentation	4 hours
**PTEC 2124 Process Tech II- Systems	4 hours
**PTEC 2214 Process Tech III-Operations	4 hours
**PTEC 1124 Process Troubleshooting	4 hours
**PTEC 2243 Principles of Quality	3 hours
**PRDV 2321 Professional Development	1 hour

Total Credit Hours 64 hours

Suggested Course Sequence:

First Semester 15 Total Credit Hours

PHYS 2104 Concepts in Physics	4 hours
MATH 1483 Math Functions	3 hours
(or) MATH 1513 Algebra for STEM	
ORNT 1101 Freshman Orientation	1 hour
**PTEC 1113 Introduction to Process Technology	3 hours
**PTEC 2024 Industrial Instrumentation	4 hours

Second Semester 16 Total Credit Hours

BSAD 1113 Digital/Financial Literacy	3 hours
HIST 1483 Amer. History to 1877	3 hours
(or) HIST 1493 Amer. History Since 1877	
ENGL 1113 English Composition I	3 hours
PTEC 2014 Process Tech I-Equipment	4 hours
PTEC 1313 Safety, Health, & Work Practices	3 hours

Third Semester 18 Total Credit Hours

POLI 1113 American Government	3 hours
SPCH 1713 Intro to Oral Communication	3 hours
CHEM 1014 Concepts in Chemistry	4 hours
PTEC 2124 Process Tech II- Systems	4 hours
PTEC 2243 Principles of Quality	3 hours
PRDV 2321 Professional Development	1 hour

Fourth Semester 15 Total Credit Hours

CHEM 2014 Process Organic Chemistry	4 hours
BSAD 1103 Intro to Business	3 hours
(or) ECON 2123 Microeconomics	
PTEC 2214 Process Tech III-Operations	4 hours
PTEC 1124 Process Troubleshooting	4 hours

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.

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.

Current partners include:
Phillips 66 Refining, Pipeline, & R&D
Koch Industries
OG&E
Tessenderlo Kerley Industries
Oklahoma Municipal Power Authority
NRCA Refining

Career Opportunities
Industry
Petrochemical Process Technician
Process Technician
Refinery

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: http://www.noc.edu/act for placement guidelines.