

**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.)

<p><b>Program Requirements</b></p> <p><b>General Education Courses - 27 Total Credit Hours</b></p> <p><b>English Composition Courses</b> ENGL 1113 English Composition I 3 hours COMM 1713 Intro to Oral Communication 3 hours</p> <p><b>History &amp; Government Courses</b> HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 POLI 1113 American Government 3 hours</p> <p><b>Mathematics Courses</b> MATH 1483 Math Functions 3 hours (or) MATH 1513 Algebra for STEM</p> <p><b>Science Courses</b> CHEM 1014 Concepts in Chemistry 4 hours PHYS 2104 Concepts in Physics 4 hours</p> <p><b>Orientation Courses</b> ORNT 1101 Freshman Orientation 1 hour</p> <p><b>General Education Elective Courses</b> BADM 1103 Introduction to Business 3 hours (or) ECON 2123 Microeconomics Principles</p> <p><b>Program Requirement Courses - 37 Total Hours</b> BADM 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, &amp; 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</p> <p><b>Total Credit Hours 64 hours</b></p>	<p><b>Suggested Course Sequence:</b></p> <p><b>First Semester 15 Total Credit Hours</b> 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</p> <p><b>Second Semester 16 Total Credit Hours</b> BADM 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, &amp; Work Practices 3 hours</p> <p><b>Third Semester 18 Total Credit Hours</b> POLI 1113 American Government 3 hours COMM 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</p> <p><b>Fourth Semester 15 Total Credit Hours</b> CHEM 2014 Process Organic Chemistry 4 hours BADM 1103 Intro to Business 3 hours (or) ECON 2123 Microeconomics PTEC 2214 Process Tech III-Operations 4 hours PTEC 1124 Process Troubleshooting 4 hours</p> <p><i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.</i></p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p>	<p>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.</p> <p><b>Current partners include:</b> Phillips 66 Refining, Pipeline, &amp; R&amp;D Koch Industries OG&amp;E Tessenderlo Kerley Industries Oklahoma Municipal Power Authority NRCA Refining</p> <p><b>Career Opportunities</b> Industry Petrochemical Process Technician Process Technician Refinery</p> <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: <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> for placement guidelines.</p>
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