

# APPL TECH PROCESS TECHNOLOGY (ATPT)

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<b>ATPT 130 INTRO TO PROCESS TECHNOLOGY</b>	<b>2 Credit Hours</b>
Introduction to the job requirements and duties of a process technician including physics, chemistry, equipment, safety, health, and the environment for process industries. (2 lecture)	
<b>ATPT 131 PROCESS SAFETY, HLTH, ENVRNMTL</b>	<b>3 Credit Hours</b>
Safety topics include all OSHA General Industry requirements. Course includes an introduction to the major environmental regulations affecting process industries. Successful completion will result in the issuance of an OSHA 30 Hour Safety Card. (3 lecture)	
<b>ATPT 132 PROCESS QUALITY</b>	<b>3 Credit Hours</b>
Introduces Total Quality Management concepts including customer service, effective communication, team skills, variance and operating consistency, process capability, continuous improvement, corrective/preventive action, SPC basics, data collection, control charts. (3 lecture)	
<b>ATPT 140 PROCESS INSTRUMENTATION</b>	<b>3 Credit Hours</b>
Introduces the process instrumentation that a process technician/operator utilizes in performing job functions. In addition, this course provides the student with rudimentary knowledge and troubleshooting assistance of process instrumentation. (3 lecture)	
<b>ATPT 141 PROCESS TECH 1 - EQUIPMENT</b>	<b>3 Credit Hours</b>
Course covers the various types of equipment used in the process environment and the interaction of the process operator/technician with it. An understanding of the operation, operator maintenance and trouble shooting is gained. (3 lecture)	
<b>ATPT 150 PROCESS TECH FIELD EXPERIENCE</b>	<b>1 Credit Hour</b>
A required hands on experience at a partner processing facility, designed to supplement the classroom curriculum with an environment to apply the knowledge gained in the classroom; and to further enhance the understanding of the workplace environment.	
<b>ATPT 242 PROCESS TECH 2 - SYSTEMS</b>	<b>3 Credit Hours</b>
Equipment roles and control methods are studied for each process system. Emphasis is on the safety of each of these systems and the role played by operator in maintaining the system safely. (3 lecture)	
<b>ATPT 244 PROCESS TECH 3 - OPERATIONS</b>	<b>3 Credit Hours</b>
Process Technicians role in start up, normal and emergency shut down, outages and routine maintenance of a process facility. (3 lecture)	
<b>ATPT 250 PROCESS TECH FIELD EXPERIENCE</b>	<b>1 Credit Hour</b>
A required hands on experience at a partner processing facility, designed to supplement the classroom with an environment to apply the knowledge gained in the classroom; and to further enhance the understanding of the workplace environment.	
<b>ATPT 260 CAPSTONE COURSE</b>	<b>1 Credit Hour</b>
Culminating course work (capstone) around Process Technology Certification. Utilizing a needs assessment the student will develop the skills sets needed to achieve success in the process industry. (Corequisite: ATPT 244). (1 lecture)	
<b>ATPT 293 COOPERATIVE WORK EXPERIENCE</b>	<b>1-8 Credit Hours</b>
<b>ATPT 297 SPECIAL TOPICS</b> (1-6 lecture)	<b>1-6 Credit Hours</b>
<b>ATPT 393 COOPERATIVE WORK EXPERIENCE</b> (1-12 lecture)	<b>1-12 Credit Hours</b>