

Process Technology PLOs 2017-2018



Acad Program - Process Technology (AAS)

Mission: The mission of the Process Technology program is to provide classroom instruction and practical laboratory experience leading to the successful completion of the Associate of Applied Science in Process Technology, preparing students for employment in the industrial manufacturing and processing field.

<i>Program Learning Outcomes</i>	<i>Assessment Methods</i>	<i>Assessment Results</i>	<i>Action Taken (Use of Results)</i>
<p>1. Utilize PTEC Processing Units - 1. Run one or more PTEC processing units and create a piping and instrument diagram of an operating refinery/petrochemical process.. Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>Result Directly Related to Outcome: Students will operate and create a P&ID diagram from assigned operational processing units.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 90% of students assessed were successful in completing the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for learning outcomes associated with diagram and operational competencies will be increased from 80% to 85% passing for 2018-19.</p>
<p>2. Communications - Demonstrate the ability to work in one or more of the PTEC processing units while simulating real world activity as in the commercial units using inside/outside operator concepts, communicating via radios comparing inside/outside data. Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>Result Directly Related to Outcome: A performance log will be documented and retained on each student demonstrating his/her ability to operate Pilot Plants.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 93% of students assessed were successful in completing the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for learning outcomes associated with diagram and operational competencies will be increased from 80% to 85% passing for 2018-19.</p>
<p>3. Safety - Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the process technology industry Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>Result Directly Related to Outcome: A performance log will be documented and retained on each student's internship demonstrating his/her ability o follow company safety procedures and precautions.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 96% of students assessed were successful in completing the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for learning outcomes associated with diagram and operational competencies will be increased from 80% to 85% passing for 2018-19.</p>