

PROCESS TECHNOLOGY

Program Outcomes Assessment

Semester and Year: Fall 2020 – Spring 2021

Certificate Degree Diploma

Dean: Richard Louviere

Measurable Outcome(s)	Assessment Activity/Tool	Results	Use of Results	Estimated Cost(s)
Run one or more PTEC processing units and create a Piping & Instrument Diagram of an operating refinery/ petrochemical process.	Students will hand-draw a Piping & Instrument Diagram of one or more of the PTEC Laboratory Pilot Plants. Performance logs will also be utilized.	Data indicates 96% of graduates were successful in running process units after creating Piping & Instrument Diagrams.	Acceptable results. Monitoring will continue.	
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.	A Performance Log will be documented and retained on each student demonstrating his/her ability to run the aforementioned Pilot Plants.	96% of graduates successfully demonstrated ability to work in PTEC units and communicate effectively.	Acceptable results. Monitoring will continue.	
Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the process technology industry.	A Performance Log will be documented and retained on each student's internship demonstrating his/her ability to follow company safety procedures and precautions.	Performance log indicated 98% of graduating students successfully demonstrated quality knowledge of safety.	Acceptable results. Monitoring will continue.	