

All levels SLOs achievement Process Technology - Process Technology-Certificate of Achievement during CCC Fall 2012

SLO Achievement

SLO Text	SLO Level	Course Number	Fully Achieved	Partially Achieved	Failed to Achieve
Given a process control scenario, the student will be able to design a process flow chart diagramming the movement through the major components used in the distillation of petro-chemical products.	C	PTEC-C110	66.67 %	10.00 %	23.33 %
Describe the chemical processes used in petro-chemical refinement.	C	PTEC-C110	53.33 %	16.67 %	30.00 %
Describe the function of process control equipment.	C	PTEC-C113	48.78 %	21.95 %	29.27 %
Design a Flow Diagram Process outlining the path of resources through production and ending with the final products.	C	PTEC-C113	48.78 %	21.95 %	29.27 %
Assess equipment needs based on a given scenario.	C	PTEC-C113	48.78 %	21.95 %	29.27 %
Compare monitoring requirements for the various equipment types within the TimTene Unit.	C	PTEC-C115	68.00 %	12.00 %	20.00 %
Given an emergency scenario, select and diagram the corrective action that needs to be taken.	C	PTEC-C115	76.00 %	12.00 %	12.00 %
Evaluate monitoring control output signals and recommend adjustments to the process based on that output.	C	PTEC-C117	72.22 %	16.67 %	11.11 %
Given a basic description of a process and a P&ID of its ESD Systems, select appropriate emergency shutdown devices.	C	PTEC-C117	83.33 %	11.11 %	5.56 %
Given a scenario, locate appropriate Internet information sources and authoritative database sources to provide a solution to the business problem.	C	CIS-C100	35.29 %	38.24 %	26.47 %
Given a scenario, identify fraudulent use of copyright infringement, security and privacy issues, and their consequences.	C	CIS-C100	70.59 %	20.59 %	8.82 %
Demonstrate use of a word processing, spreadsheet, database, presentation software to produce basic business correspondence that contains text, graphics, and appropriate formatting.	C	CIS-C100	41.18 %	38.24 %	20.59 %
Demonstrate ethical civic, environmental, and social responsibility.	I	PTEC-C110	50.00 %	30.00 %	20.00 %
Demonstrate ability to apply critical thinking and analysis.	I	PTEC-C110	80.00 %	6.67 %	13.33 %
Demonstrate ability to apply critical thinking and analysis.	I	PTEC-C113	70.73 %	4.88 %	24.39 %
Demonstrate innovative thinking, and adaptive, creative problem solving skills.	I	PTEC-C117	83.33 %	16.67 %	0.00 %
Use effective communication and interpersonal skills.	I	PTEC-C115	76.00 %	16.00 %	8.00 %
Comply with environmental and safety regulations.	P	PTEC-C110	73.33 %	6.67 %	20.00 %
Comply with environmental and safety regulations.	P	PTEC-C115	92.00 %	4.00 %	4.00 %
Measure and control a process.	P	PTEC-C117	83.33 %	11.11 %	5.56 %
Safely operate process equipment.	P	PTEC-C110	76.67 %	10.00 %	13.33 %
Safely operate process equipment.	P	PTEC-C113	75.61 %	4.88 %	19.51 %
Safely operate process equipment.	P	PTEC-C115	92.00 %	4.00 %	4.00 %
Select and use appropriate software and apply conceptual thinking skills to solve problems and complete specific technology-related projects.	P	CIS-C100	41.18 %	32.35 %	26.47 %
Work as a team member.	P	PTEC-C110	73.33 %	20.00 %	6.67 %
Work as a team member.	P	PTEC-C115	80.00 %	16.00 %	4.00 %