UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
Process Technology AAS
Community & Technical College/ CRCD

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
MISSION STATEMENT: The Process Technology program is designed for students to gain employment skills to work in the process technology industry. To earn an Associate of Applied Science degree in process technology. **GOAL STATEMENT:** Ensure that we provide a unique learning environment where students can obtain a high quality classroom education, hands-on training, and practical vocational experience in the process technology industries.	The graduates of the CTC-UAF Process Technology program will be able to: 1. Each graduate will understand the importance of maintaining a safe workplace. In addition, the graduate will understand that a process must be operated in compliance with regulatory requirements and within engineering limits. Upon completion of the program, he/she will be able to create or follow safe operating procedures for basic process units.	Specific test results from PRT 110, PRT 130, and PRT 231 compiled and evaluated by subject area. In addition to these scores, key skill evaluations will be compiled from each of these courses to determine an overall rating for student demonstrated performance.	Review results annually with PRT faculty group to determine results and recommendations. Document overall results and continuous improvement recommendations.

	2. Each graduate will demonstrate an ability to start up process equipment, shut down process equipment, monitor process equipment, and identify and correct abnormal operating conditions.	Specific test results from PRT 231 and PRT 250 compiled and evaluated by subject area. Simtronics simulator exercise scores for PRT 250 lab exercises. In addition to these scores, key skill evaluations will be compiled from each of these courses to determine an overall rating for student demonstrated performance.	Review results annually with PRT faculty group to determine results and recommendations. Document overall results and continuous improvement recommendations.
	3. Each graduate will have the ability to maintain accurate and meaningful records of process events. He/she will be able to interpret event records to determine any changes required for safe operation of a process.	Specific test results from PRT 250 and PRT 255 compiled and evaluated by subject area. In addition to these scores, key skill evaluations will be compiled from each of these courses to determine an overall rating for student demonstrated performance.	Review results annually with PRT faculty group to determine results and recommendations. Document overall results and continuous improvement recommendations.

	4. Each graduate will have the ability to read and correctly interpret P&ID drawings for basic processes.	Specific test results from PRT 140, PRT 230 and PRT 250 compiled and evaluated by subject area. In addition to these scores, key skill evaluations will be compiled from each of these courses to determine an overall rating for student demonstrated performance.	Review results annually with PRT faculty group to determine results and recommendations. Document overall results and continuous improvement recommendations.
	5. Each graduate will demonstrate knowledge of process equipment such as piping, valves, vessels, tanks, heat exchangers, pumps, compressors, and boilers and heaters.	Specific test results from PRT 101 and PRT 130 compiled and evaluated by subject area. In addition to these scores, key skill evaluations will be compiled from each of these courses to determine an overall rating for student demonstrated performance.	Review results annually with PRT faculty group to determine results and recommendations. Document overall results and continuous improvement recommendations.

	Prepared for Process Technology career	Alumni and employer surveys. Written and/or oral assessment by employers, graduates, and Advisory Committee members about sufficiency of students/graduates to carry out job functions. Written assessment of employers or employer group about skills of employed graduates.	Program head will conduct survey annually and provide information to the program review committee
	Students will meet expected outcomes in communications, computation, and human relations as listed by the core.	Student outcomes provided by core curriculum faculty in WRTNG 111x, WRTNG 213x, COJO 131/141x, MATH 105, SOC 100x, ABUS 154.	Program Head will annually review listed programs to verify that student outcomes meet program requirements. Program review committee will annually assess that student's core curriculum skills are reflected in their PRT work.

<reviewed 2023 Brian Ellingson>