



Degree Planning Sheet Process Technology Associate of Applied Science

Updated 07/26/17

Student Name: _____ **Student ID #:** _____

Advisor Signature: _____ **Advisor Name:** _____

This degree is designed to provide education/training that will enable individuals to obtain employment in the industries that use and control mechanical, physical or chemical processes to produce a final product. In Alaska this includes the process industries of oil and gas production, chemical manufacturing, petroleum refining; power generation and utilities, water and wastewater treatment, and seafood and other food processing.

ADMISSION REQUIREMENTS:

Satisfy the application and Admission Requirements for Associate Degree Programs. Students who apply to the Process Technology AAS are admitted in a pre-major status. The process for advancement to major status requires completion of the following steps:

1. Complete an advising session with a PRT faculty advisor.
2. Complete the following courses with a grade of "C" or better:
 - a. WRTG A111 Writing Across Contexts.
 - b. MATH A105 Intermediate Algebra (3) or any higher level GER mathematics course (3-4).
 - c. PRT A101 Introduction to Process Technology (3).
 - d. PHYS A115/L Physical Science with Lab (4) or PHYS A123/L Basic Physics I with Lab (4).
3. Completion of Change of Major Form from Pre-Major to Major status, signed by PRT faculty advisor.

GENERAL EDUCATION REQUIREMENTS

Oral Communications Courses - select 3 credits from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
COMM A111	Fundamentals of Oral Communication	3			
COMM A235	Small Group Communication	3			
COMM A237	Interpersonal Communication	3			
COMM A241	Public Speaking	3			
Total credits required: 3			Total credits taken:		

Written Communication Courses - select 6 credits from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
WRTG A111	Writing Across Context (required)	3			
WRTG A211	Writing and the Humanities	3			
WRTG A212	Writing and the Professions (recommended)	3			
WRTG A213	Writing and the Sciences	3			
WRTG A214	Arguing Across Contexts	3			
CIOS A 260	Business Communication	3			
Total credits required: 6			Total credits taken:		

Math - Select 3 credits from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
MATH A105	Intermediate Algebra	3			
MATH A151	College Algebra for Calculus	4			
Total credits required: 3			Total credits taken:		



GENERAL EDUCATION REQUIREMENTS

Natural Sciences - select 8 credits from the following:					
Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
*CHEM A103/L	Survey of Chemistry (required)	4			
PHYS A115/L	Physical Science + Lab	4			
PHYS A123/L	Basic Physics I + Lab	4			
Total credits required: 8			Total credits taken:		

*or CHEM A105/L (required for B.S. degree)

Computer Literacy - Select 3 credits from the following:					
Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
CIS A105	Intro to Personal Computers & App. Software	3			
CIS A110	Computer Concepts in Business	3			
Total credits required: 3			Total credits taken:		

MAJOR SPECIALTY (28 credits)

Complete the following courses (28 credits):					
Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
PRT A101	Introduction to Process Technology	3			
PRT A110	Intro to Occup Safety, Health & Env. Awareness	3			
PRT A130	Process Technology I: Equipment	4			
PRT A140	Industrial Process Instrumentation I	3			
PRT A144	Industrial Process Instrumentation II	3			
PRT A230/L	Process Technology II: Systems + Lab	4			
PRT A231/L	Process Technology III: Operations + Lab	4			
PRT A250	Process Troubleshooting	3			
PRT A255	Quality Concepts for the Process Industry	1			
Total credits required: 28			Total credits taken:		

ELECTIVES (9 credits)

A minimum of nine credits of Advisor-approved Applied Technology Electives are required. These may be chosen from:

- | | |
|------------------------------------|------------------|
| Electronics Technology | KPC, UAA, Mat-Su |
| Industrial Process Instrumentation | KPC |
| Occupational Safety & Health | UAA |
| Process Technology | KPC, UAA, TVC |
| Technology Internship | |

Select 9 credits from the above topics list :					
Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
Total credits required: 9			Total credits taken:		

Total Credits Required For Degree: 60



Process Technology

EXAMPLE COURSE SCHEDULE

First Year First Semester	Enrollment in Math A105 and Engl A111 Contingent on Placement Testing Scores	
WRTG A111	Writing Across Contexts	3
MATH A105	Intermediate Algebra	3
PRT A101	Introduction to Process Technology	3
PRT A110	Intro to Occup Safety, Health & Env Awareness	3
PHYS A115/L or A123L	Physical Science + Lab <i>OR (Basic Physics + Lab)</i>	4
		16 Credits

First Year Second Semester		
WRTG A212	Writing and the Professions	3
PRT A130	Process Technology I: Equipment	4
CIS A105* (or A110)	Intro to PC Computers & Apps <i>OR (Business Comp)</i>	3
PRT A140	Industrial Process Instrumentation I	3
Applied Elective		3
		16 Credits

Second Year Third Semester		
COMM A111	Fundamentals of Oral Communication	3
PRT A144	Industrial Process Instrumentation II	3
PRT A230/L	Process Technology II: Systems + Lab	4
CHEM A103/L	Survey of Chemistry + Lab	4
		14 Credits

Second Year Fourth Semester		
PRT A231/L	Process Technology III: Operations + Lab	4
PRT A250	Process Troubleshooting	3
PRT A255	Quality Concepts for the Process Industry	1
Applied Elective		3
Applied Elective		3
		14 Credits

General University Requirements

- All courses must be at the 100 level or above.
- Students must earn at least 15 credits in residence.
- Students must earn a cumulative GPA of at least 2.00 (C) at UAA.
- Students must earn a cumulative GPA of at least 2.00 (C) in all courses required for the major
- All requirements must be met within 5 years of formal acceptance to an associate degree program.
- No more than 15 military credits can be applied toward an associate degree.

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