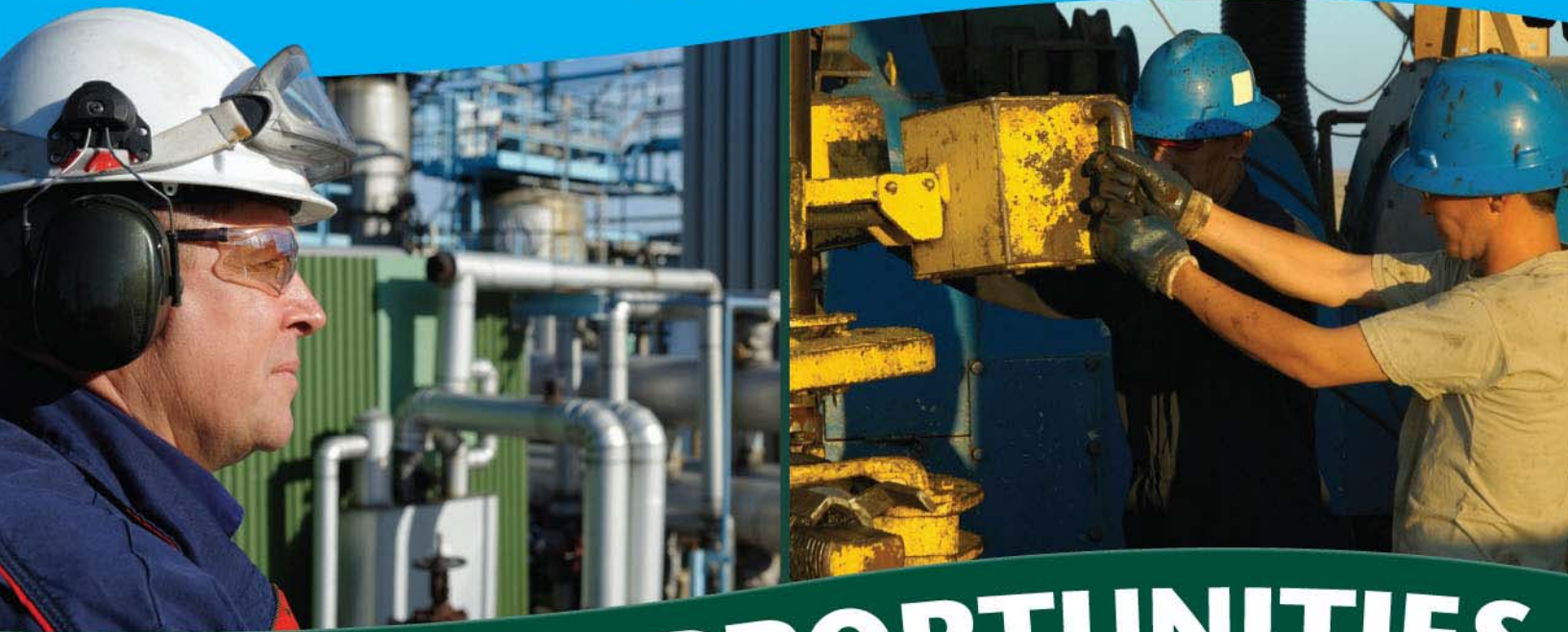


# Petroleum Technology (Cert)

## Process Technology (AAS)



# UNIQUE OPPORTUNITIES

*The AAS degree in Process Technology prepares graduates for employment in industries that use and control mechanical, physical, or chemical processes to produce a final product. In Alaska, this includes oil and gas production, chemical manufacturing, petroleum refining, power generation, water treatment, and seafood processing. The Certificate in Petroleum Technology provides specific training in petro/chemical plant operations.*

## Educational Pathway Options

### Recommended Preparation

- Reading and writing skills
- Algebra
- Basic computer skills

### Certificate

1-2 Years

**Petroleum Technology**

### Associate of Applied Science (AAS)

2-3 Years

**Process Technology**

### Bachelor of Science

4-5 Years

Technology\*

\* Offered at UAA main campus

### Career Opportunities

- Oil and Gas Production
- Petroleum Refining
- Timber
- Chemical Manufacturing
- Mining
- Seafood Processing



KENAI PENINSULA COLLEGE



### CAREER CONNECTIONS

- Architecture & Construction
- Transportation, Distribution, & Logistics
- Natural Resources & Environmental Sciences

## APPLICATION PROCESS

- 1 Review admission requirements at [www.kpc.alaska.edu/admission](http://www.kpc.alaska.edu/admission).
- 2 Apply for admission online at <https://uaonline.alaska.edu>.
- 3 Call 907.262.0332 or 877.262.0330 for financial aid information.
- 4 Take the Accuplacer test for English and math course placement. Call the UAA Advising & Testing Center at 907.786.4500.
- 5 Make an appointment for academic advising at 907.786.6421 and meet regularly with an advisor.

*Kenai Peninsula College is a community campus of the University of Alaska Anchorage and has been continuously accredited by the Northwest Commission on Colleges and Universities since 1974. This brochure is for information purposes only and does not constitute a contract. UAA is an EO/AA employer and educational institution.*

*This information is based on the 2013-2014 UAA Course Catalog. Please refer to the current catalog for complete information.*

*Students are strongly encouraged to consult an advisor prior to course selection. When registering for courses, be sure to select the proper campus. For information about program cost, graduation rates, job placement rates, student loan debt, and other important consumer information about the certificate, please visit [www.uaa.alaska.edu/financialaid/upload/UC\\_Petroleum-Technology\\_2012.pdf](http://www.uaa.alaska.edu/financialaid/upload/UC_Petroleum-Technology_2012.pdf).*

## PETROLEUM TECHNOLOGY (CERT)

▶ REQUIRED COURSES (33 credits)	Semester	Grade		Semester	Grade
PRPE 108 Introduction to College Writing (3) <i>or</i>	_____	_____	PRT 144 Industrial Process	_____	_____
ENGL 111 Introduction to Composition (3)	_____	_____	Instrumentation II (3)	_____	_____
MATH 105 Intermediate Algebra (3)	_____	_____	PRT 160 Oil & Gas Exploration &	_____	_____
PRT 101 Introduction to Process	_____	_____	Production I (3)	_____	_____
	_____	_____	Process Technology II: Systems (4)	_____	_____
PRT 130 Process Technology I: Equipment (4)	_____	_____	Process Technology III:	_____	_____
PRT 140 Industrial Process	_____	_____	Operations (4) <i>or</i>	_____	_____
	_____	_____	Basic Electronics: DC Circuits (4) <i>or</i>	_____	_____
	_____	_____	ET 101 Digital Electronics (4)	_____	_____
	_____	_____	ET 126 Process Troubleshooting (3)	_____	_____
	_____	_____	PRT 250	_____	_____

*A total of 33 credits is required for this certificate.*

## PROCESS TECHNOLOGY (AAS)

Process Technology is coordinated by Kenai Peninsula College and delivered collaboratively through UAA and UAF.

▶ GENERAL UNIVERSITY REQUIREMENTS	Semester	Grade		▶ MAJOR REQUIREMENTS (37 credits)	Semester	Grade
Complete the General University Requirements for Associate degree programs.				▶ Core Courses		
▶ GENERAL COURSE REQUIREMENTS (26-27 credits)				PRT 101 Introduction to Process	_____	_____
ENGL 111 Introduction to Composition (3)	_____	_____		Technology (3)	_____	_____
MATH 105 Intermediate Algebra (3) <i>or</i>	_____	_____		PRT 110 Intro. to Process Safety, Health,	_____	_____
MATH 107 College Algebra (4)	_____	_____		& Environmental Awareness (3)	_____	_____
CIS 105 Introduction to Personal Computers	_____	_____		PRT 130 Process Technology I:	_____	_____
& Application Software (3) <i>or</i>	_____	_____		Equipment (4)	_____	_____
CIS 110 Computer Concepts in Business (3)	_____	_____		PRT 140 Industrial Process	_____	_____
<b>Choose</b> Social Science elective (3)	_____	_____		Instrumentation I (3)	_____	_____
CHEM 103/L Survey of Chemistry (4) ( <i>or higher</i> )	_____	_____		PRT 144 Industrial Process	_____	_____
<b>Choose one of the following:</b>	_____	_____		Instrumentation II (3)	_____	_____
PHYS 115/L Physical Science (4)	_____	_____		PRT 230 Process Technology II: Systems (4)	_____	_____
PHYS 123/L Basic Physics I (4)	_____	_____		PRT 231 Process Technology III:	_____	_____
<b>Choose one of the following:</b>	_____	_____		Operations (4)	_____	_____
ENGL 211 Academic Writing About Literature (3)	_____	_____		PRT 250 Process Troubleshooting (3)	_____	_____
ENGL 212 Technical Writing (3)	_____	_____		PRT 255 Quality Concepts for the Process	_____	_____
ENGL 213 Writing in the Social & Natural	_____	_____		Industry (1)	_____	_____
Sciences (3)	_____	_____		▶ Applied Technology Electives		
ENGL 214 Persuasive Writing (3)	_____	_____		<b>Choose 9 credits with advisor approval.</b>		
<b>Choose one of the following:</b>	_____	_____		<b>Coursework areas your advisor may approve are:</b>		
COMM 111 Fundamentals of Oral	_____	_____		• Electronics	_____	_____
Communication (3)	_____	_____		• Environmental Technology (Wastewater)	_____	_____
COMM 235 Small Group Communication (3)	_____	_____		• Industrial Process Instrumentation	_____	_____
COMM 237 Interpersonal Communication (3)	_____	_____		• Mining Technology	_____	_____
COMM 241 Public Speaking (3)	_____	_____		• Occupational Safety & Health	_____	_____
				• Petroleum Technology	_____	_____
				• Process Technology	_____	_____
				• Power Generation	_____	_____
				• Technical Internship	_____	_____
				• Technology	_____	_____

*A total of 63 credits is required for this degree.*

3-2014

**KENAI PENINSULA COLLEGE/UAA**  
**ADMISSIONS:** 907.262.0311 or 877.262.0330  
**WEBSITE:** [www.kpc.alaska.edu](http://www.kpc.alaska.edu)  
**ADDRESS:** 156 College Road, Soldotna, AK 99669

**KPC ANCHORAGE EXTENSION SITE/UAA:** 907.786.6421  
**LOCATION:** University Center (UC) Room 117, Anchorage



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