

# Process Technology

<b>Career Cluster Description:</b> The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.							
<b>Major Options</b>							
• Water Treatment		• Oil & Gas		• Mining		• Power Generation	
Grade 9		Grade 10		Grade 11		Grade 12	
S1	S2	S1	S2	S1	S2	S1	S2
English 1	English 1	English 2	English 2	English Elective	English Elective	English Elective	English Elective
Physical Science	Physical Science	Biology	Biology	Science Elective	Science Elective	Science Elective	Science Elective
Civics	Health	World History	World History	U.S. History	U.S. History	U.S. Govern.	AK History
Algebra I	Algebra I	Geometry	Geometry	Algebra 2	Algebra 2	<i>Advanced Math</i>	<i>Advanced Math</i>
P.E.	P.E.	Elective	Elective	Elective	Elective	Ecological Studies	Ecological Studies
<i>Intro to Career Pathways</i>	<i>Customer Service</i>	<i>Technical Drafting 1</i>	<i>Technical Drafting 2</i>	<i>Construction Surveying</i>	<i>Architectural Drafting 1*</i>	<i>Work Experience</i>	<i>Work Experience</i>
<i>Technology Apps 1*</i>	<i>Technology Apps 2*</i>	<i>Intro to Auto or Small Engines 1</i>	<i>First Aid/ Industrial Safety</i>	<i>Process Technology*</i>	<i>Process Technology*</i>	<i>Intro to Occupational Safety, Health &amp; Environment*</i>	<i>Intro to Occupational Safety, Health &amp; Environment*</i>
Work-Based Learning Opportunities				Career-Technical Student Organizations (CTSO)		Certifications	
<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Cooperative Education</li> <li>Job Shadowing</li> </ul>		<ul style="list-style-type: none"> <li>Paid/Unpaid Internship</li> <li>School-Based Enterprise</li> <li>Service Learning</li> </ul>		Skills USA		Hunter Safety AWW (Alaska Water Wise) Medic First Aid/CPR Teen Worker Food Handler/ ServeSafe NSTC safety certification OSHA 10 hour certification Certificate of Completion – Industry Job Shadow	

## POSTSECONDARY OPTIONS

Two-Year College or Proprietary Programs	Adult Registered Apprenticeships	Four-Year College and University Programs	Certifications	Licenses, On The Job Training, Training Certificates, etc.
UAA UAF Kenai Peninsula College	Department of Labor and Workforce Development, Office of Apprenticeship, email <a href="mailto:apprenticeship@alaska.gov">apprenticeship@alaska.gov</a> or your local Alaska Job Center staff who will help you identify apprenticeable occupations and help you prepare for your future. You may also call (877) 724-2539	UAA UAF Kenai Peninsula College	Skills USA: Workplace WorkKeys certificate NSTC safety certification OSHA 10 hour certification Certificate of Completion – Industry Job Shadow	NSTC safety certification OSHA 10 hour certification Certificate of Completion – Industry Job Shadow

\*College Credits may be available. [Click here for details.](#)

