

Aviation Technology

- Career Cluster Description:** The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance. The Aviation Pathway provides the skills needed for a successful career in the aviation industry. The courses are designed for those interested in Air Traffic Control, Aviation Administration, Professional Piloting, Aviation Maintenance and those wanting to learn more about the aviation industry.

Major Options

Aviation Technology
Aviation Maintenance

Heavy Duty Technology
Power Technology

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	Chemistry/ Science Elective	Chemistry/ Science Elective	Physics/ Science Elective	Physics/ 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.	World Language 1	World Language 1	World Language 2	World Language 2	<i>Private Pilot Ground School</i>	<i>Airframe Structures</i>
<i>Intro to Career Pathways</i>	<i>Personal Finance*</i>	Elective	Elective	<i>Intro to GIS/RS Concepts</i>	<i>Intro to Aviation Technology</i>	<i>Private Pilot Ground School</i>	<i>Airframe Structures</i>
<i>Technology Applications 1*</i>	<i>Technology Applications 2*</i>	<i>Principles of Technology 1</i>	<i>Principles of Technology 1</i>	<i>Principles of Technology 2</i>	<i>Principles of Technology 2</i>	<i>Elective</i>	<i>Elective</i>
Work-Based Learning Opportunities				Career-Technical Student Organizations (CTSO)		Certifications	
<ul style="list-style-type: none"> Apprenticeship Cooperative Education Job Shadowing 				<ul style="list-style-type: none"> Paid/Unpaid Internship School-Based Enterprise Service Learning 		Skills USA FAA Airframe & Powerplant Career Readiness Certificate (Work Keys) STAR (GIS)	

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	Department of Labor and Workforce Development, Office of Apprenticeship, email apprenticeship@alaska.gov 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	<ul style="list-style-type: none"> Private Pilot Ground School Aviation Maintenance Technology <ul style="list-style-type: none"> - Powerplant - Airframe 	FAA Airframe and Powerplant Mechanic

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