

# CONSTRUCTION

STUDENT NAME: \_\_\_\_\_

**Career Cluster is Architecture and Construction:** Careers in designing, planning, managing, building, and maintaining physical structures and the larger building environment including roadways and bridges, industrial, commercial, and residential facilities. <http://www.alaska.edu/research/wp/career-clusters/educational-pathways/> and [www.matsuk12.us](http://www.matsuk12.us)

## Related Occupations

Mason/Tile Setter	Construction Engineer	HV AC/Plumbing Installer	Painter	Carpenter	Civil Engineer	Electrician
Dry Wall Installer/Finisher	Construction Manager	Electromechanical Engineer	Commercial & Industrial Designer			Building Inspector
Operating Engineer	Roofer	Career & Technology Teacher	Landscape Design		Architectural & Civil Drafter	
Project Engineer Assistant	Cost Estimator	Welder	Fabricator		Pipefitter	Steel Worker

## HIGH SCHOOL COURSE PATH (\*means recommended high school courses)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Lang.Arts Fund. <b>Composition 9<sup>th</sup></b> Adv. Comp	Lang.Arts Fund. <b>Composition 9<sup>th</sup></b> Adv. Comp	<b>Composition 9<sup>th</sup></b> <b>World Lit 10<sup>th</sup></b> Amer. Lit	<b>Composition 9<sup>th</sup></b> <b>World Lit 10<sup>th</sup></b> Amer. Lit	<b>World Lit 10<sup>th</sup></b> Amer. Lit 11 <sup>th</sup>	<b>World Lit 10<sup>th</sup></b> Amer. Lit 11 <sup>th</sup>	<b>Amer. Lit 11<sup>th</sup></b> <b>Adv. Comp 12<sup>th</sup></b> Creative Writing	<b>Amer. Lit 11<sup>th</sup></b> <b>Adv. Comp 12<sup>th</sup></b> Creative Writing
Math Fund. Pre-Algebra <b>Algebra I</b>	Math Fund Pre-Algebra <b>Algebra I</b>	Pre-Algebra <b>Algebra I</b> <b>Geometry</b>	Pre-Algebra <b>Algebra I</b> <b>Geometry</b>	<b>Algebra I*</b> <b>Geometry</b> <b>Algebra II</b> Consumer Math*	<b>Algebra I*</b> <b>Geometry</b> <b>Algebra II</b> Consumer Math*	<b>Geometry*</b> <b>Algebra II*</b> <b>Pre-Calculus</b> <b>Trigonometry*</b>	<b>Geometry*</b> <b>Algebra II*</b> <b>Pre-Calculus</b> <b>Trigonometry*</b>
<b>Physical Science</b> <b>Biology</b>	<b>Physical Science</b> <b>Biology</b>	<b>Physical Science</b> <b>Biology</b> <b>Geology*</b> Integrated VS	<b>Physical Science</b> <b>Biology</b> <b>Geology*</b> Integrated VS	<b>Geology</b> <b>Anat&amp;Phys</b> Integrated VS	<b>Geology</b> <b>Anat&amp;Phys</b> Integrated VS	<b>Chemistry*</b> <b>Physics*</b> Integrated VS	<b>Chemistry*</b> <b>Physics*</b> Integrated VS
<b>Geography</b> <b>Alaska Studies</b>	<b>Geography</b> <b>Alaska Studies</b>	<b>Geography</b> <b>Alaska Studies</b>	<b>Geography</b> <b>Alaska Studies</b>	<b>American History</b> <b>World History</b>	<b>American History</b> <b>World History</b>	<b>American</b> <b>History World</b> <b>History</b>	<b>American</b> <b>History World</b> <b>History</b>
Health	Physical Ed.	Intro Electricity	Intro Electricity	Driver's Ed.*	Physical Ed.	Elective	Elective
Beg. Computers* Video Prod. Web Page	Intro to Careers	Auto Cad*	Auto Cad*	Physical Ed.	Electives	TA or OJT	TA or OJT
Intro to Auto	Intro to Auto	Auto I	Auto I	<b>Woodworking</b>	<b>Woodworking</b>	<b>Carpentry</b>	<b>Carpentry</b>
<b>Welding I</b> <b>Alum.</b> <b>Welding</b>	<b>Welding I</b> <b>Alum.</b> <b>Welding</b>	<b>Welding II</b> <b>Alum.</b> <b>Welding</b>	<b>Welding II</b> <b>Alum.</b> <b>Welding</b>	<b>Welding II</b> <b>Alum.</b> <b>Welding</b>	<b>Welding II</b> <b>Alum.</b> <b>Welding</b>	College/Career Prep	College/Career Prep

## POSTSECONDARY OPTIONS

<b>UAA</b> Construction & Design Technology <ul style="list-style-type: none"> <li>Computer Aided Drafting &amp; Design</li> <li>Architectural Drafting</li> <li>Civil Drafting</li> <li>Mechanical &amp; Electrical Drafting</li> <li>Structural Drafting</li> <li>Architectural &amp; Engineering Technology</li> <li>Construction</li> </ul>	<b>UAF-TVCC</b> Construction Management - AAS	<b>UAS – Juneau</b> Construction Technology, Associates	<b>AVTEC</b> Welding  Industrial Electricity  Construction  Plumbing&Heating	<b>JOB CORPS</b> Electrical  Facilities Maintenance  Carpentry	<b>Other Resources</b>  Apprenticeships: <a href="mailto:apprenticeship@alaska.gov">apprenticeship@alaska.gov</a> or <a href="http://www.jobs.state.ak.us/apprentice/">www.jobs.state.ak.us/apprentice/</a>  <a href="http://www.akcis.intocareers.org">www.akcis.intocareers.org</a> – See your counselor to set up an account.
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Management (Certificates, Associates, & Bachelor)					
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Certificates:

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Trainings:

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Dual Credit for CTE Courses:

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Awards:

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Skills:

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Employment, OJT's:

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Career Goal:

Initials: \_\_\_\_\_ Date: \_\_\_\_\_

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Initials: \_\_\_\_\_ Date: \_\_\_\_\_

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Initials: \_\_\_\_\_ Date: \_\_\_\_\_

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Initials: \_\_\_\_\_ Date: \_\_\_\_\_

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Reviewed Alaska Performance Scholarship and Course Plan

Initials: \_\_\_\_\_ Date: \_\_\_\_\_

School Counselor: \_\_\_\_\_

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