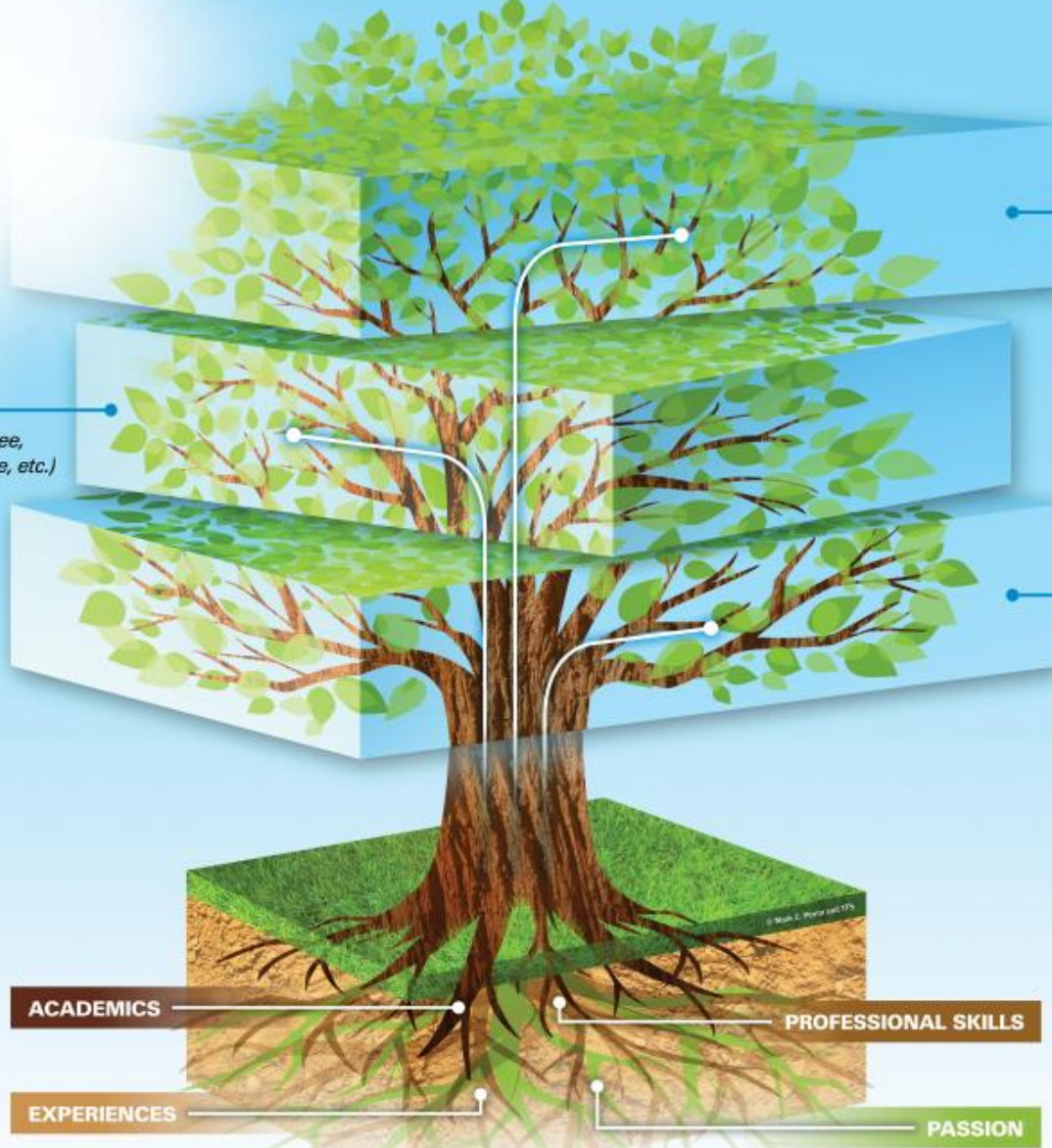




### TECHNICAL CAREERS

*(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)*

- Apprenticeship Instructor
- Cabinetmaker/Woodworker
- Site Supervisor
- Building Inspector
- CAD Drafter
- Carpenter
- Electrical Journeyman
- Plumber/Pipefitter/Steamfitter
- Flooring/Tile Installer
- General Contractor
- HVAC/R Mechanic & Installer
- Roofing Contractor



### PROFESSIONAL CAREERS

*(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)*

- Construction Project Manager
- Construction Trades Teacher
- Job Superintendent
- Mechanical Engineer
- Architectural & Engineer Manager
- Building and Code Inspector
- Civil/Structural Engineer
- Construction Business Owner/Manager
- Surveyor
- General Contractor
- Carpenter Foreman
- Construction Engineer

### ENTRY-LEVEL CAREERS

*(with Program Completion)*

- Drywall Installer
- Carpenter/Carpenter's Apprentice
- Electrician Apprentice
- Construction Site Laborer
- Plumbing Apprentice
- Solar Panel Installation Apprentice
- Supply Chain/Purchasing/Buyer
- Framer/Framer Apprentice
- Excavator
- Building Supplies Sales Person
- Concrete Laborer
- Flooring Installer

ACADEMICS

PROFESSIONAL SKILLS

EXPERIENCES

PASSION

# ARCHITECTURE AND CONSTRUCTION



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# Architecture and Construction

## Entry-level Pathway, meets FNSBSD graduation requirements

9 <sup>th</sup>		10 <sup>th</sup>		11 <sup>th</sup>		12 <sup>th</sup>		Next Steps
	English 9	English 10	English 10	American Lit	English Elective	Literature	Professional Writ	Carpenter/Apprentice Laborer Framer Construction Site Helper Building Supply Sales
Earth Science	Earth Science	Biology	Biology	Science Elect	Science Elect	<i>Open Elective</i>	<i>Open Elective</i>	
Alg. 1.1/Alg I	Alg 1.2/Alg I	Alg 1.3 or Geometry	Alg 1.4 or Geometry	Math Elect	Math Elective	<i>Open Elective</i>	<i>Open Elective</i>	
Alaska Studies	Health	World Hist.	World Hist.	US History	US History	Government	Economics	
PE	PE	PE	<i>Open Elect.</i>	<i>Open Elect.</i>	<i>Open Elective</i>	<i>Open Elective</i>	<i>Open Elective</i>	
<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	

## Technical Pathway, meets FNSBSD graduation requirements and APS minimum course requirements

9 <sup>th</sup>		10 <sup>th</sup>		11 <sup>th</sup>		12 <sup>th</sup>		Next Steps
English 9	English 9	English 10	English 10	American Lit	English Elective	Literature	Professional Writ	Apprenticeship UAF CTC UAA CTC AVTECH UAS
Earth Science	Earth Science	Biology	Biology	Chemistry	Chemistry	Science Elective	Science Elective	
Algebra I**	Algebra I**	Geometry**	Geometry**	Algebra II**	Algebra II**	Math Elective**	Math Elective**	
Alaska Studies	SS Elective	World Hist.	World Hist.	US History	US History	Government	Economics	
PE	PE	PE	<i>Open Elect.</i>	<i>Open Elect.</i>	<i>Open Elective</i>	<i>Open Elective</i>	<i>Open Elective</i>	
<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	

## Professional Pathway, meets FNSBSD graduation requirements and APS minimum course requirements

9 <sup>th</sup>		10 <sup>th</sup>		11 <sup>th</sup>		12 <sup>th</sup>		Next Steps
English 9	English 9	English 10	English 10	American Lit	English Elective	Literature	Professional Writ	Apprenticeship UAF CTC UAA CTC UAS
Biology	Biology	Chemistry	Chemistry	Physics	Physics	Science Elective	Science Elective	
Algebra I	Algebra I	Geometry	Geometry	Algebra II	Algebra II	Math Elective	Math Elective	
Alaska Studies	SS Elective	World Hist.	World Hist.	US History	US History	Government	Economics	
PE	PE	PE	<i>Open Elect.</i>	<i>Open Elect.</i>	<i>Open Elective</i>	<i>Open Elective</i>	<i>Open Elective</i>	
<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	<b>CTE Course</b>	

## CTE Courses, Architecture and Construction (Courses may vary at each high school)

Foundation Courses	Pathway Courses	Pathway Courses	Capstone Courses	Dual Credit
Building Trades I Careers and Employability	Building Trades II Drafting /Arch. Drafting	Building Trades III CAD <i>Introduction to the Trades*</i>	Building Trades IV Internship <i>Introduction to the Trades*</i>	UAF CTC

\*Taught off-site

\*\*Alg 1.1/Alg 1.2    Alg 1.3/Alg 1.4    Geometry/Geometry    Algebra II/Algebra II