



CONSTRUCTION

TRADES

The Construction Career Cluster is about using your skills in design, planning and management to work in careers building and maintaining structures such as buildings, homes, bridges, or machinery. Work opportunities include developing new structures, restorations, additions, alterations, and repairs.

HIGH SCHOOL COURSES OFFERED

EXPLORATORY

- Basic Construction
- Fine Arts Woodworking
- Construction Cooperative Worksite Learning

PREPARATORY

- CTA: Construction Tech

WORKBASE LEARNING

Work Experience Opportunities

CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and earn high school credit. Internships are typically paid but do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your local CTE or career office is the best source of information for what your own school offers.

Student Leadership Organizations

SkillsUSA is a national organization for students exploring trade, industrial, technical health and service-related careers. Areas of competition include architectural drafting, construction, carpentry computer programming, web design and nurse assisting. This organization promotes superior work skills, life-long education, leadership, teamwork, citizenship and community service among its student members. It also strives to build and reinforce self-confidence, work ethic and communication skills. More information is contained on the [Student Leadership Organizations](#).



ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Construction Labors	\$46,830	179,300	6.1%
Construction Carpenter	\$65,520	20,070	3.7%
Electricians	\$73,305	8,708	11%
Plumbers, Pipefitters	\$74,046	3,049	10.6%
Construction First Line Supervisors (Foremen)	\$85,240	79,400	7.1%
Construction & Building Inspectors	\$77,460	15,800	9.4%
Construction Managers	\$40,200	40,200	8.6%

POST SECONDARY OPTIONS

High school/ Certificate	Cert/ License	Associates Degree	Bachelor's Degree	Masters/ Doctoral	Schools w/ programs
Precision Exams- OSHA 10	OSHA 30 First Aid/CPR, Pre-Apprentice Cert.	Apprenticeship, AAT-Construction Tech, AAS-Production Tech, AAS-Construction Management			Bates, CloverPark, CBC, GreenRiver, Edmonds, Peninsula, Pierce, Renton, Spokane
			BAS-Operations Man, BAS-Admin, BAS-Sustainable Building		CWU, SSC, CloverPark
			BS-Construction Management	MS-Construction Management	UW, WSU

Additional industry-based certification information is available from the OSPI website.



EXAMPLE COURSE PLAN • 4 YEAR COLLEGE / UNIVERSITY

Subject/Credit	HS Credit earned in MS	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English/4		Pre-AP Freshman English	Pre-AP Sophomore English	AP Language	AP Literature
Math/3	Algebra	Geometry	Algebra 2	Pre-Calculus	AP Calculus
Social Studies/3			World History	US History	CWP Civics
Lab Science/3		AP Environmental Science	Biology	Physics	
CTE/1			Adv. FA Woods 1 & 2		Basic Construction 1&2
PE & Health/2		Family Health Foundations of PE		Team Sports Weight Training	
Art/1		FA Woodworking 1 & 2			
PPR or Electives/7		ASL 1	ASL 2	ASL 3	ASL 4 Worksite Learning



EXAMPLE COURSE PLAN • 2 YEAR COLLEGE / TECH

Subject/Credit	HS Credit earned in MS	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English/4		Freshman English	Sophomore English	Junior English	Senior English
Math/3		Algebra	Geometry	Algebra 2	Applied Math
Social Studies/3			AP World History	AP US History	AP Government
Lab Science/3		Physics	Biology	Chemistry	
CTE/1			Adv. FA Woods 1&2		
PE & Health/2		Family Health Foundations of PE		Team Sports Weight Training	
Art/1		FA Woodworking 1&2			
PPR or Electives/7		Spanish 1	Spanish 2	Spanish 3	Adv. FA Woods 1&2 Basic Const 1&2 Worksite Learning

NOTE: These are just two of many options for course planning. Need help; see your counselor or career specialist today.