

SHS offers an emphasis on welding within the construction trades in partnership with Bates Technical College. Students will build on construction competencies and concentrate on welding skills to focus on metal-based careers. Occupational math related to each trade is incorporated throughout. This competency-based program is taught to industry standards. Successful students may gain direct entry into construction apprenticeship programs.



Post-secondary Partners

- Bates Technical College
- Clover Park Technical College
- Green River Community College
- Highline Community College
- Pierce College District
- Pierce County Careers Connection
- Renton Technical College
- South King County Tech Prep
- Tacoma Community College



Sumner School District

...a great place to learn!

Career and College Readiness
1202 Wood Avenue
Sumner, WA 98390
(253) 891-6062

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Welding

This diverse Career Cluster prepares learners for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

This pathway includes the builders of highways, streets, bridges, tunnels and airports as well as power plants, chemical plants, refineries and mills.





PROGRAM OF STUDY: Sumner School District

Cluster: Manufacturing
 Pathway: Production (Welding)

This Program of Study, along with other career planning materials, can serve as a guide as learners continue on a career path. Courses listed are only recommended and plans should be individualized to meet each learner's educational and career goals. Students should recognize that these are guidelines only and post-secondary requirements may change.

	Year	English	Math	Science	Other Required Courses	Career Focus Area Courses	Sample Occupations Relating To This Pathway	
SECONDARY	9	9 th Grade English	Algebra	Physical Lab Science	Career & Tech (Occupational Ed) Health & Fitness	Architecture I Construction Related Trades II Construction Related Trades III Construction Related Trades IV Introduction to Construction Technology Foundations World Language (year I and II)	Requiring Less than a Baccalaureate degree <ul style="list-style-type: none"> Welder Assembler Machine Operator Sheet Metal Worker Solder and Brazier Tool and Die Maker 	
	10	10 th Grade English	Geometry	Lab Science or Chemistry or Biology	US History or Social Studies Elective Fine, Visual or Performing Arts			
	11	11 th Grade English	Advanced Algebra or College Math Exam Prep	Lab Science or Chemistry or Biology	Social Studies Elective or US History Fitness Elective			Requiring Baccalaureate Degree <ul style="list-style-type: none"> Construction Management Instrument Maker Medical Appliance Maker Pattern and Model Maker
	12	12 th Grade English	Financial Math		Contemporary World			
Washington State History & Tech Competency. Include in high school plan if requirement not met in middle school							Requiring more than Baccalaureate <ul style="list-style-type: none"> Mechanical Engineer Industrial Engineer Material Science Engineer 	
Secondary Leadership and Employability Standards are included.								
Contact postsecondary institutions directly for complete program options and requirements.								
POST-SECONDARY	Year 13/14	Bates: Welding, Sheet Metal Technology Clover Park: Welding Technology Green River: Welding Technology Renton: Welding						
	Year 15/16	EWU: Manufacturing Technology, Design Technology WWU: Manufacturing Engineering Technology, Industrial Technology CWU: Manufacturing Technology, Electrical Engineering Technology, Industrial Technology WSU: Mechanical Engineering, Material Science and Engineering UW: Industrial Engineering, Mechanical Engineering, Material Science and Engineering						

Sumner School District graduation requirements, dual credit courses, required for 4-year colleges