School of Engineering and Industrial Technology
Occupation/Field: Welding

National Career Cluster: Manufacturing

GRADE	SUBJECT	Required Courses for Core 40 Diploma						Recommended Courses and Electives	
		English/ Language Arts	Math	Social Studies	Science	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I	College and Careers	Biology I	PE	Health	PLTW Introduction to Engineering Design	
	S2	English 9	Algebra I	Study Hall	Biology I	PE	Health	PLTW Introduction to Engineering Design	
10	S1	English 10 Enr. Eng 10	Geometry	World History	ICP Chemistry	World Language	PLTW Principles of Engineering		
	S2	English 10 Enr. Eng 10	Geometry	World History	ICP Chemistry	World Language	PLTW Principles of Engineering		
11	S1	English 11 AP English 11	Algebra II	US History AP US History	Core 40 Science	Porter County Career Center Course			
	S2	English 11 AP English 11	Algebra II	US History AP US History	Core 40 Science	Porter County Career Center Course			
12	S1	Senior Comp AP English 12	Recommended: Additional Math course	Government	World Language	Porter County Career Center Course			
	S2	Senior Comp AP English 12	Recommended: Additional Math course	Economics	World Language	Porter County Career Center Course			

Column spanning note: HIGH SCHOOL (grades 9–12) in leftmost vertical label.

Associate's of Science in Welding Technology from Vincennes University, Vincennes, IN

Yr 13	S1	English Composition I (ENGL 101)	Manufacturing Processes (PMTD 110)	Manufacturing Processes Laboratory (PMTD 110L)	Oxy-Acetylene Welding (WELD 101)	Shielded Metal Arc Welding (WELD 102)	Gas Metal Arc Welding (WELD 103)
	S2	Gas Tungsten Arc Welding (WELD 104)	Shielded Metal Arc Welding II (WELD 105)	Welding Certification Review (WELD 106)	Industrial Blueprint Reading for Welding (WELD 107)	100+ Level Mathematics	
Yr 14	S1	Speech (COMM 143)	Welding Inspection (WELD 212)	Weld Fabrication I (WELD 215)	Humanities, Math, Science, Social Science, Writing or Fitness/Wellness Elective	Social Science Elective	
	S2	Welding Automation (WELD 222)	Weld Fabrication II (WELD 225)	Laboratory Science Elective	Humanities, Math, Science, Social Science, Writing or Fitness/Wellness Elective		

POSTSECONDARY in leftmost vertical label.

Hobart High School offers numerous DUAL CREDIT courses. See your counselor for more information.