

Angola High School College and Career Pathway Plan

Cluster: Manufacturing

Pathway: Welding Technology

Core 40 with Honors High School Graduation Plan*

*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Physical Ed & World History	Preparing for College & Careers	Introduction to Manufacturing	Digital Citizenship	World Language
	10	English 10	Geometry	Chemistry	Health	Introduction to Engineering Design	Computers in Design & Production	Fine Arts (2)	World Language
	11	English 11	Algebra II	3 rd Core 40 Science	US History	**Welding Technology I		Personal Financial Responsibility	World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	** Welding Technology II			
State specified Pathway Assessment: AWS SENSE Level 1 Modules 2, 3, 8(units 1 and 3), and 9; + 1 Welding Process									
Industry Recognized Certification: AWS SENSE Entry Level Certification									

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech Community College	Vincennes University
INDT 114 Introductory Welding	
WELD 108 Shielded Metal Arc Welding I	WELD 101 Oxy-Acetylene Welding
WELD 207 Gas Metal Arc (MIG) Welding	WELD 103 Gas Metal Arc Welding
WELD 100 Welding Processes	WELD 102 Shielded Metal Arc Welding