

## 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 Applications & Responsibilities	Spanish I or French I
	10	English 10	Geometry	Chemistry	Health	Introduction to Engineering Design	Computers in Design & Production	Fine Arts	Spanish II or French II
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	Welding Technology I		Personal Financial Responsibility	Spanish III or French III
	12	English 12	Math or Quantitative Reasoning		Government Economics	Welding Technology II			Fine Arts
<b>State specified Pathway Assessment:</b> AWS SENSE Level 1 Modules 2, 3, 8(units 1 and 3), and 9; + 1 Welding Process									
<b>Industry Recognized Certification:</b> 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

- INDT 114 Introduction to Welding
- WELD 108 Shielded Metal Arc Welding
- WELD 109 Oxy-Fuel Gas Welding and Cutting
- WELD 207 Gas Metal Arc (MIG) Welding
- WELD 208 Gas Tungsten Arc Welding