

## Angola High School College and Career Pathway Plan

**Cluster: Architecture and Construction**

**Pathway: Construction Trades**

**Concentration: Electrical and HVAC**

### 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/Civilization	Preparing for College & Careers	Fundamentals of Engineering	Digital Applications & Responsibilities	Spanish I or French I
	10	English 10	Geometry	Chemistry	Health & Wellness	Construction Systems	Computers in Design & Production		Spanish II or French II
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	<b>Electrical, Plumbing, and HVAC</b>		Personal Financial Responsibility	Spanish III or French III
	12	English 12	Math or Quantitative Reasoning	AP Physics 1, Algebra- based	Government Economics	<b>Electrical, Plumbing, and HVAC</b>		AP or dual credit course	Fine Arts
<b>State specified Pathway Assessment:</b> Dual credit end of course assessments									
<b>Industry Recognized Certification:</b>									

### 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 113 Basic Electricity (Yr 1)
- HVAC 101 Heating Fundamentals (Yr 1)
- HVAC 103 Refrigeration I (Yr 1)
- HVAC 107 Duct Fabrication and Installation