

## Angola High School College and Career Pathway Plan

**Cluster: Architecture and Construction**

**Pathway: Drafting and Design**

**Concentration: Mechanical**

### 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	Intro to 2D Art	Digital Citizenship	World Language
	10	English 10	Geometry	Chemistry	Health & Wellness	Computers in Design & Production	Fundamentals of Engineering	Fine Arts	World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	<b>** Computer Aided Drafting I</b>		Personal Financial Responsibility	World Language
	12	English 12 or AP Eng Lit	Math or Quantitative Reasoning		Government Economics	<b>** Computer Aided Drafting II</b>		AP or dual credit course	AP or dual credit course
<b>State specified Pathway Assessment: Dual credit assessment from Ivy Tech or Vincennes University</b>									
<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	Vincennes University
<ul style="list-style-type: none"> <li>• DESN 113 Intermediate CAD</li> <li>• DESN 104 Mechanical Graphics</li> <li>• DESN 108 Residential Design</li> </ul>	<ul style="list-style-type: none"> <li>• DRAF 140 Introduction to CAD</li> <li>• ARCH 141 Introduction to Architectural CAD</li> <li>• ARCH 221 Advanced Architect Software Application</li> <li>• DRAF 120 Computers for Technology</li> </ul>