

Angola High School College and Career Pathway Plan

Cluster: Manufacturing

Pathway: Precision Machine 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	** Precision Machining I		Personal Financial Responsibility	World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	** Precision Machining II			
State specified Pathway Assessment: Dual Credit Assessment from Postsecondary Institution									
Industry Recognized Certification: National Institute for Metal Working Skills (NIMS)									

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"> • MTTC 101 Intro to Machining • MTTC 105 Abrasive Processes I • MTTC 110 Turning and Milling 	<ul style="list-style-type: none"> • PMTD 110/110L Manufacturing Processes and Lab • PMTD 117 Basic Machining I • PMTD 118 Basic Machining II