

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 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 rd Core 40 Science	US History	Precision Machining I		Personal Financial Responsibility	Spanish III or French III
	12	English 12	Math or Quantitative Reasoning		Government Economics	Precision Machining II			Fine Arts
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

- MTTC 101 Intro to Machining (Yr 1)
- MTTC 102 Turning Processes I (Yr 1)
- MTTC 103 Milling Processes I (Yr 1)
- MTTC 106 Print Interpretation (Yr 1)
- MTTC 110 Turning and Milling (Yr 1)
- MTTC 105 Abrasive Processes I (Yr 2)
- MTTC 107 CNC Set Up & Operation (Yr 2)