



Machine Tool Career Pathway

CORE 40 with Honors High School Graduation Plan								
Secondary	Grade	English/Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Prep for Pathways	Other Electives Courses for this Pathway	
	8 th	English	Algebra I	8 th grade science or Biology	PE 1	Preparing for College/Careers		
	9 th	English 9	Geometry	Biology or Integrated Chem/Physics	Health Education PE 2		Digital Citizenship, Personal Financial Resp/Intro to Tech	World Language
	10 th	English 10	Algebra II	Physics (AP Physics= PHYS 101 & 102/Physics I&II)	World Geography	Design Processes	Technology Systems	World Language
	11 th	English 11(ENG 111 & ENG 112/English Comp & Exposition/Persuasion)	Pre-Calculus(Math 136/College Algebra)		US History(HIST 101 & HIST 102/Survey of American History I& II)	Machine Tool I (Precision Machining I)		World Language(Spanish III or French III= SPAN 101/102 or FREN 101/102)
	12 th	English 12	Quantitative Reasoning		US Government(POLS 101/Intro to American Govt & Politics) Economics	Machine Tool II (Precision Machining II)		Fine Arts

*Ivy Tech credits offered through Elkhart Community Schools

*DOE Course Title Names

*College credits offered-MTTC 101/Intro to Machining, MTTC 103/Milling Processes, MTTC 106/Print Interpretation (Ivy Tech College)

*Industry Recognized Certifications offered- NIMS Certifications- Measurement, Materials, and Safety/Job Planning, Benchwork, and Layout, Manual Milling Skills I (Year One) Turning Operations: Chucking Skills OR Turning Operations: Turning Between Centers, Grinding Skills I, CNC Milling: Operations Certifications/CNC Turning: Programming Set-Up & Operations, CNC Lathe, CNC Mill (Year Two)