



## Automation and Robotics 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 <sup>th</sup>	English	Algebra I	8 <sup>th</sup> grade science or Biology	PE 1	Preparing for College/Careers		
	9 <sup>th</sup>	English 9	Geometry	Biology or Integrated Chem/Physics	Health Education PE 2		Digital Citizenship, Personal Financial Resp/Intro to Tech	World Language
	10 <sup>th</sup>	English 10	Algebra II	Physics(AP Physics=PHYS 101 & PHYS 102/Physics I&II)	World Geography	Intro to Eng Des or Prin Engineer	Design Processes	World Language
	11 <sup>th</sup>	English 11(ENG 111 & ENG 112/English Comp & Exposition/Persuasion)	Pre Calculus (Math 136 & Math 137/College Algebra & Trigonometry w/ Analytic Geometry)		US History(HIST 101 & HIST 102/Survey of American History I& II)	Auto/Engin Tech I ( <i>Industrial Automation and Robotics I</i> )		World Language(Spanish III or French III= SPAN 101/102 or FREN 101/102)
	12 <sup>th</sup>	English 12	Quantitative Reasoning		US Government(POLS 101/Intro to American Govt & Politics) Economics	Auto/Engin Tech II ( <i>Industrial Automation and Robotics II</i> )		Fine Arts

\*Ivy Tech credits offered through Elkhart Community Schools

\*DOE Course Title Names

\*College credits offered-MPRO 100/Introduction to Plant Floor and CNC Principles, MPRO 102/Introduction to Print Reading, MPRO 106/Intro to Workplace and Safety, MPRO 122/Mechatronics Electrical Systems, MPRO 201/Lean Manufacturing, PLTW 116/Automation and Robotics in Manufacturing I ([Ivy Tech College](#))

\*Industry Recognized Certifications offered- MSSC CLA (Certified Logistics Associate)