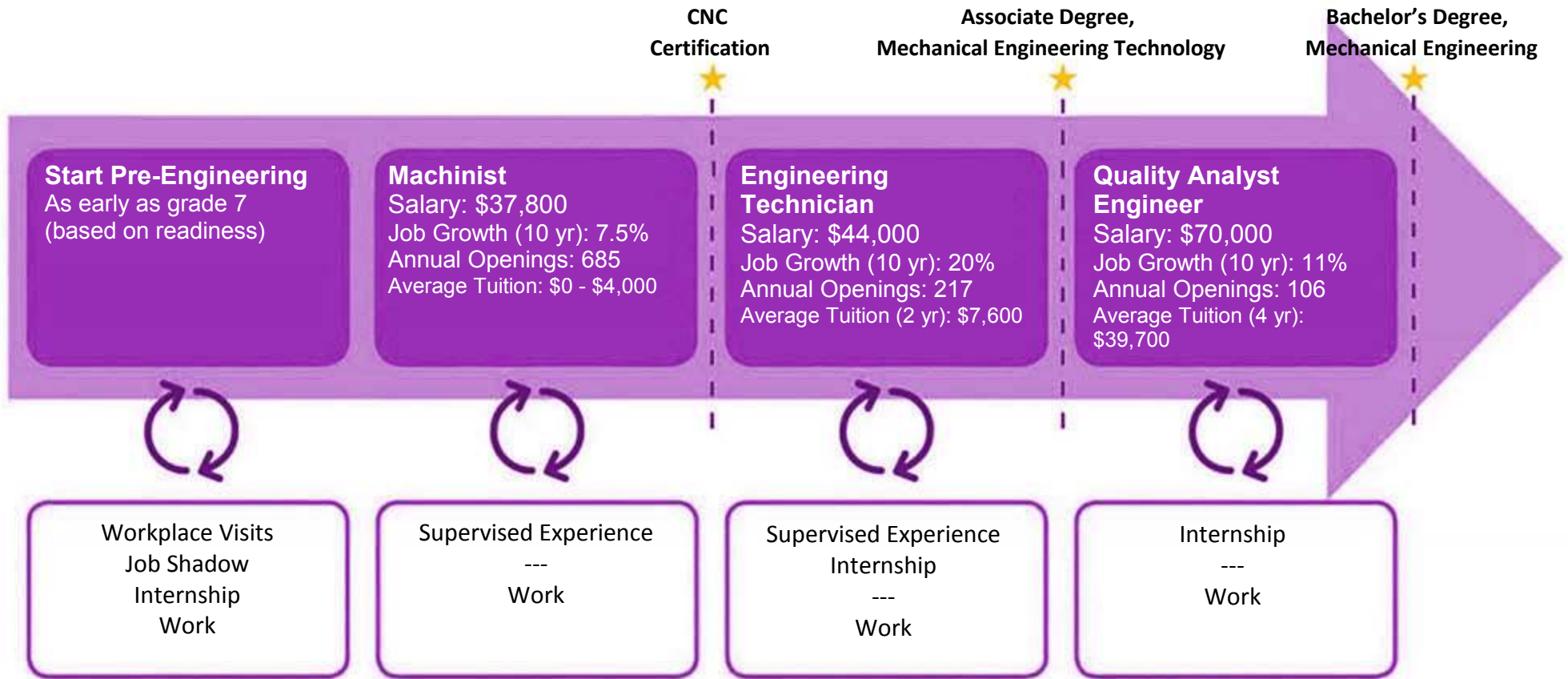




Engineering and Science Technologies Pathway Model



Provided by middle schools, high schools, employers, Ohio Tech Centers, and Colleges.

Preparing students for multiple options after high school:
gainful employment and/or post-secondary study.



Secondary Pathway: Engineering

Postsecondary Program: Mechanical Engineering Technology

Courses with Secondary & Post-Secondary Credits

Secondary	7 8	English	Algebra I	Science	Social Studies	Fine Arts	Pre-Engineering		
	9 10	English	Geometry	Biology	US History	Health (.5) PE (.5)			
	11	English	Algebra II	Chemistry	US Gov't & Economics	Foreign Language	Engineering Principles	Engineering Design	Manufacturing Operations
	12	English	Trigonometry	Physics	Psychology	Foreign Language	Digital Electronics	Robotics	Alternative Energy

Post-Secondary	Year 1 1st Semester	English	College Seminar	Calculus I	Chemistry I	General Physics	Math for Engineering		
	Year 1 2nd Semester	English	Calculus II	Chemistry II	Into to Engineering Design	Principles of Engineering	Social/ Behavioral Science Elec.		
	Year 2 1st Semester	Calculus III	Robotics (CIM)	Digital Technology	Digital Electronics	Social/ Behavioral Science Elec.	Arts & Humanities Elective		
	Year 2 2nd Semester	Arts & Humanities Elective	Arts & Humanities Elective	Social/ Behavioral Science Elec.	Engineering Elective				

High School CTE Program Courses
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses
Required Courses
Recommended Electives

