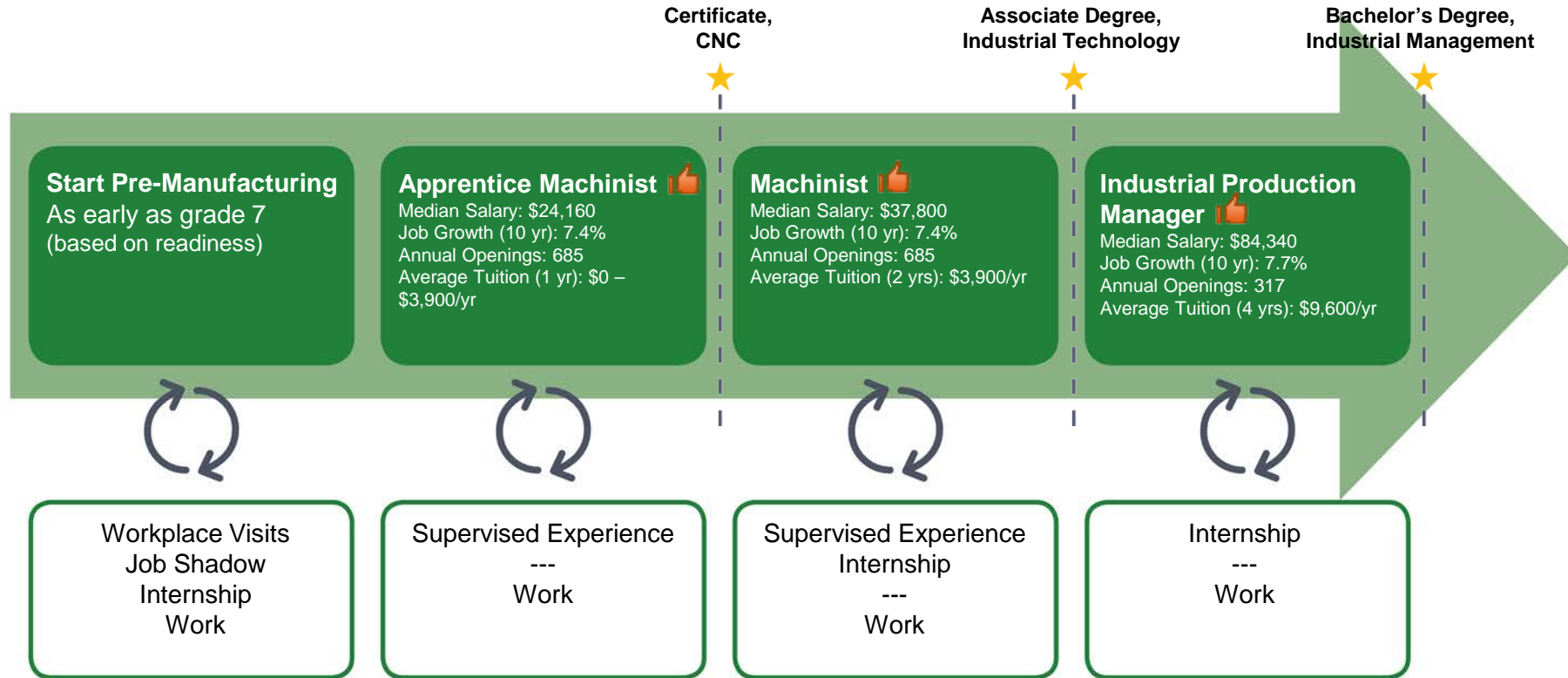




# Manufacturing Technologies Career Pathway



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

**Preparing students for multiple options after high school:**  
gainful employment and/or postsecondary study.

Ohio In-demand Occupations

Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit [ohiohighered.org](http://ohiohighered.org).



# Manufacturing Technologies Career Pathway

Secondary Pathway: **Manufacturing Operations**

Postsecondary Program: **Industrial Technology**

## An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Pre-Engineering Technologies		
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Manufacturing Operations	World Languages	
	11	English III	Algebra II	Chemistry	U.S. History	Machine Tools	Mechanisms and Drives	World Languages	
	12	English IV	Trigonometry/ Calculus	Physics	U.S. Government	Computer Integrated Manufacturing	Machining with Industrial Lathes (CNC)		
Postsecondary	Year 1 1st Semester	English	Technical Math	PLC I	AC/DC Electrical				
	Year 1 2nd Semester	OSHA Safety & Health	Industrial Maintenance	PLC II	Digital Electronics	Mechatronics			
	Year 2 1st Semester	Communication	Quality Processes	PLC III	Fluid Power	Leadership			
	Year 2 2nd Semester	Financial Management	Management	Applied Electricity	Automation (Robotics)	Physics			

### High School Career-Technical Education Program Courses

High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

Visit [education.ohio.gov/CareerConnections](http://education.ohio.gov/CareerConnections) for reference information.

Course titles and sequences will vary between schools.

11/2014