

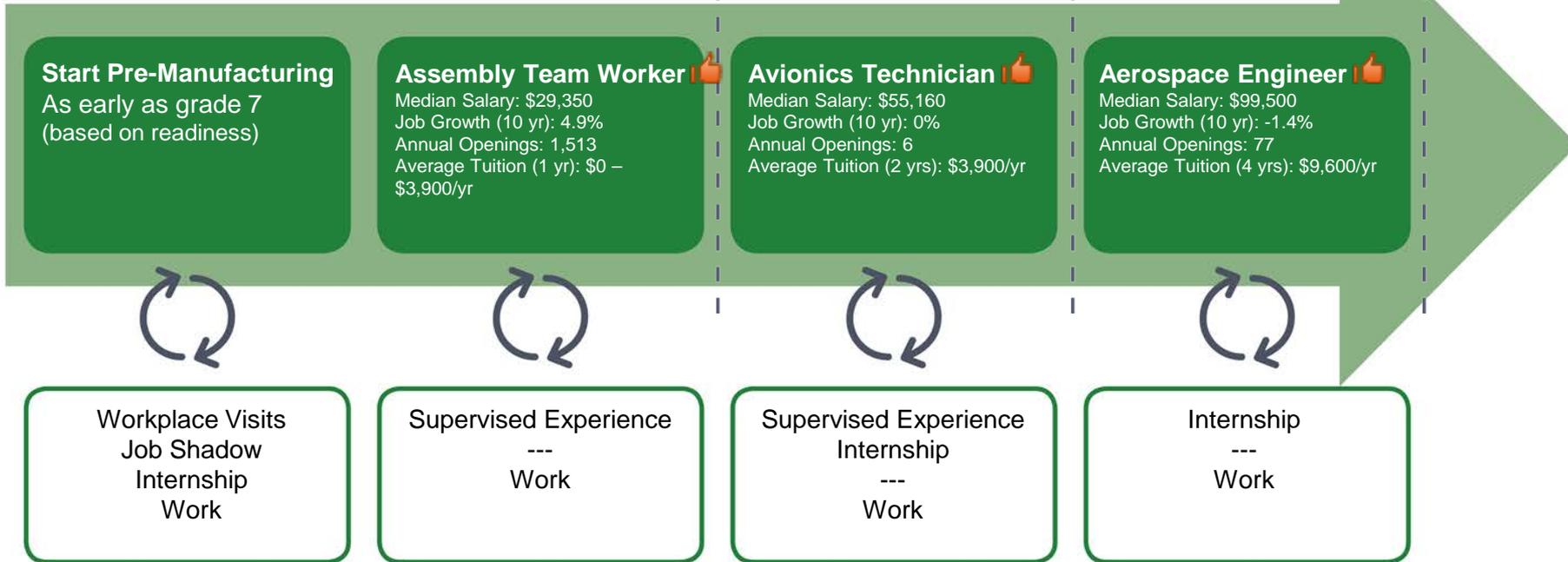


# Manufacturing Technologies Career Pathway

Certificate

Associate Degree,  
Avionics Technology

Bachelor's Degree,  
Aerospace Engineering



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: **Avionics 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	CNC Technology	Machine Tools	World Languages	
	12	English IV	Trigonometry/ Calculus	Physics	U.S. Government	Computer Integrated Manufacturing	Robotics		
Postsecondary	Year 1 1st Semester	English Composition	Intro to Aviation	Aircraft Weight & Balance	Aircraft Materials	AMT Regulation & Inspection	Ground Operation & Servicing	Manufacturing Operations	
	Year 1 2nd Semester	College Algebra	AMT Electricity	Aircraft Metallic Structures	Aircraft Electrical Systems	Aircraft Fuel Systems	Aircraft Non-Metallic Structures	Communication & Navigation Systems	
	Year 2 1st Semester	Physics	Turbine Engine Maintenance	Reciprocating Engine Maintenance I	Machine Tools	Aircraft Environmental Controls	Landing Gear & Fluid Power		
	Year 2 2nd Semester	Ethics	Powerplant Inspection	Reciprocating Engine Maintenance II	Propellers	Hazardous Materials Maintenance	Aircraft Inspection		

### 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.

6/2015