

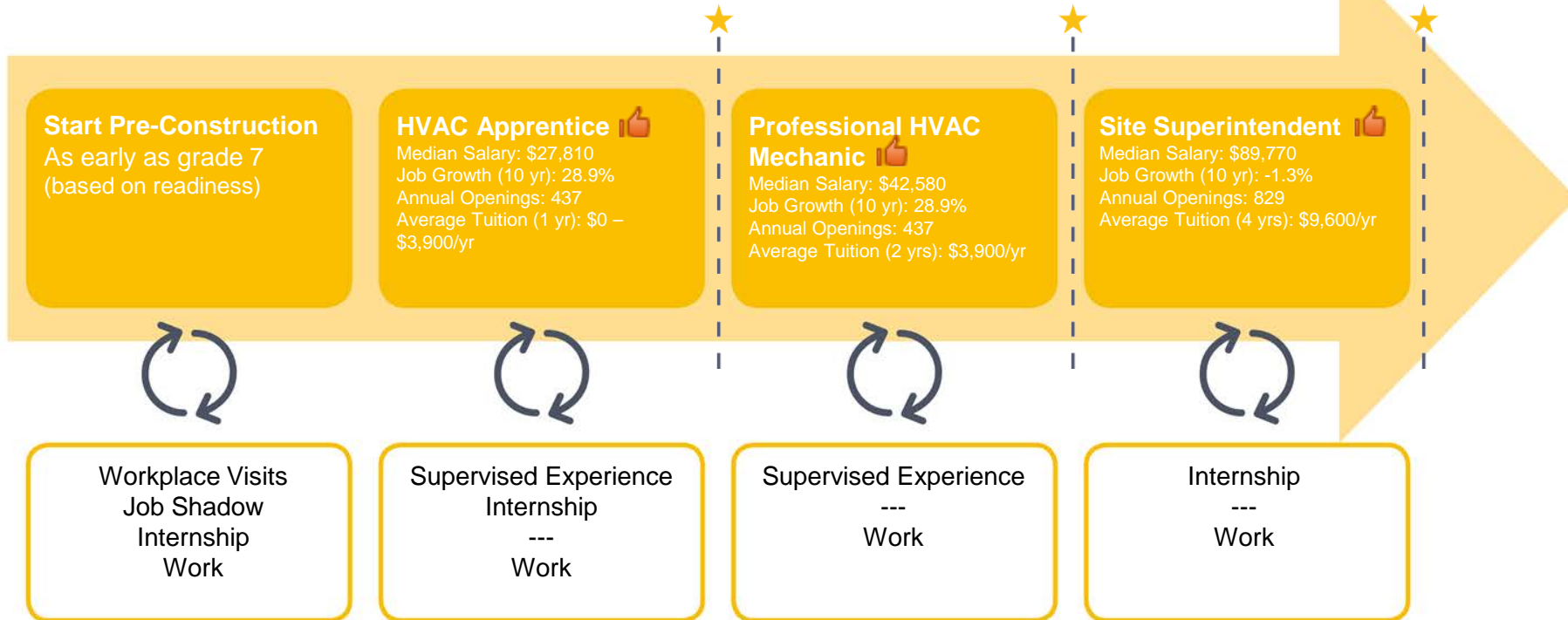


Construction Technologies Career Pathway

Apprenticeship

Associate Degree,
Skilled Trades

Bachelor's Degree,
Operations Management



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.



Construction Technologies Career Pathway

Secondary Pathway: **Mechanical, Electrical and Plumbing**

Postsecondary Program: **HVAC**

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Core & Sustainable Construction		
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Mechanical, Electrical, & Plumbing Sys.	Heating & Cooling Systems	World Languages
	11	English III	Algebra II	Chemistry	U.S. History	HVAC Refrigeration	World Languages		
	12	English IV	Trigonometry/ Calculus	Environmental Science	U.S. Government	Sheet Metal	Construction Safety & Leadership		
Postsecondary	Year 1 1st Semester	English	Technical Math	College Seminar	Electricity	Basic Refrigeration	Intro to Computers		
	Year 1 2nd Semester	Interpersonal Communication	Heating Systems I	Installation Fundamentals	Refrigeration Control Systems	Refrigeration Handling	Social Science Elective		
	Year 2 1st Semester	Business Law	Heating Systems II	CAD	Duct Layout & Prints	Basic Refrigeration II	Environmental Science		
	Year 2 2nd Semester	Capstone	Climate Control	HVAC Design	Workplace Safety	Humanities Elective			

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 for reference information.

Course titles and sequences will vary between schools.

10/2014