

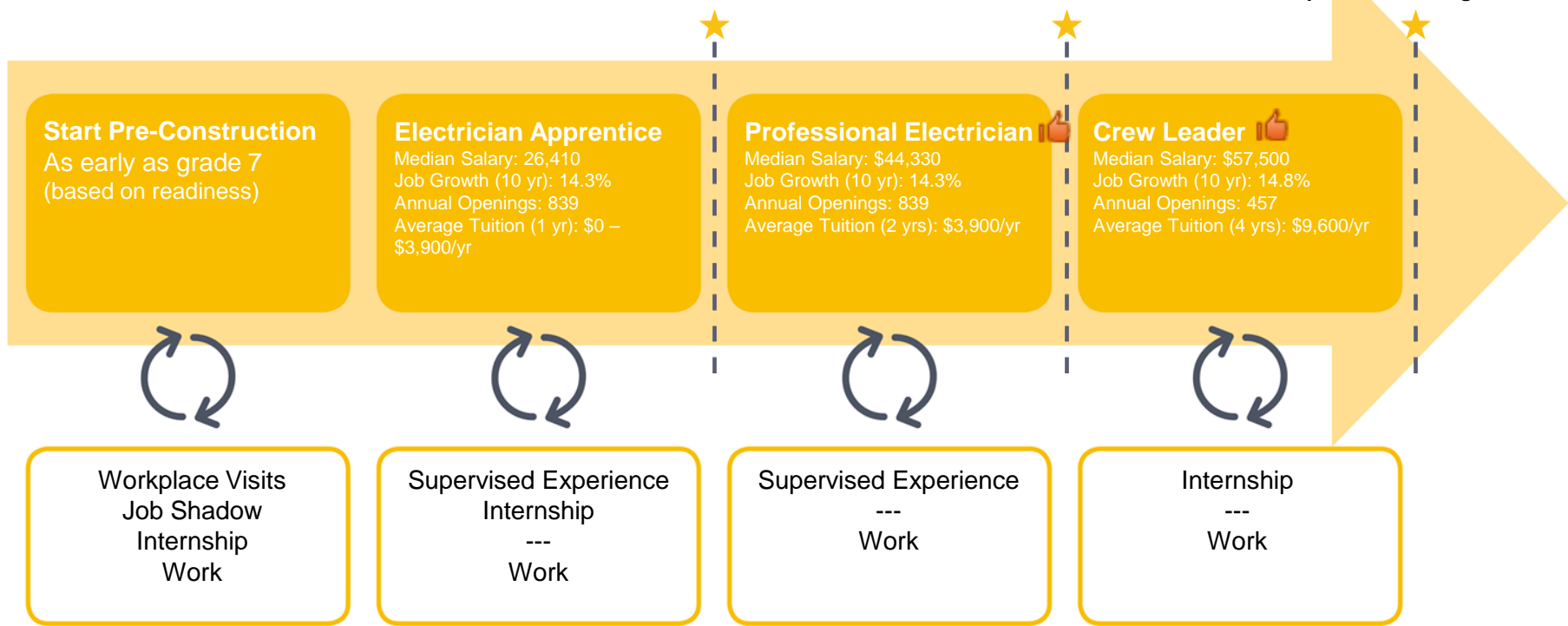


# Construction Technologies Career Pathway

Apprenticeship

Associate Degree,  
Skilled Trades

Bachelor's Degree,  
Operations Management



**Start Pre-Construction**  
As early as grade 7  
(based on readiness)

**Electrician Apprentice**  
Median Salary: 26,410  
Job Growth (10 yr): 14.3%  
Annual Openings: 839  
Average Tuition (1 yr): \$0 – \$3,900/yr

**Professional Electrician** 🍑  
Median Salary: \$44,330  
Job Growth (10 yr): 14.3%  
Annual Openings: 839  
Average Tuition (2 yrs): \$3,900/yr

**Crew Leader** 🍑  
Median Salary: \$57,500  
Job Growth (10 yr): 14.8%  
Annual Openings: 457  
Average Tuition (4 yrs): \$9,600/yr

Workplace Visits  
Job Shadow  
Internship  
Work

Supervised Experience  
Internship  
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Work

Supervised Experience  
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Work

Internship  
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Work

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).



# Construction Technologies Career Pathway



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

Postsecondary Program: **Electrical Trades**

## An Example of Courses with Secondary and Postsecondary Credits

Secondary	9	English 9	Algebra I	CPE Science	U.S. History	Health Found. of PE.	Computer Aided D & D Advanced CAD	Draw/Design Ceramics I	
	10	English 10	Geometry	Biology	Non—Western Studies World History	Economics Financial Lit .	Phys. Ed. Architecture	Business Fndt. Nutrition	
	11	English 11	Algebra II or Algebra II-Trig.	U.S. Government	Electronics and Alternative Energy	@ Polaris Career Center	➔		
	12	British Lit Business Eng.	Prob./Stats or Quant Reason.	AP Environmental Science	Electronics and Alternative Energy	@ Polaris Career Center	➔		
Postsecondary	Year 1 1st Semester	English Composition I	College Algebra	Industrial Computing	CAD	Industrial Electricity I			
	Year 1 2nd Semester	English Composition II	Trigonometry	Industrial Wiring	Hydraulics I	Industrial Electricity II	Environmental Science		
	Year 2 1st Semester	Interpersonal Communication	HVAC I	Industrial Electronics	Motors & Controls	Programmable Controller I	Intro to Robotics		
	Year 2 2nd Semester	Psychology	Electrical Prints & Trouble- shooting	Instrumentation & Controls	Industrial Fluid Power II	HVAC II	Hydraulics II		

High School Career-Technical or Career Related Education Program Courses and the Corresponding Postsecondary 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.

1/2016