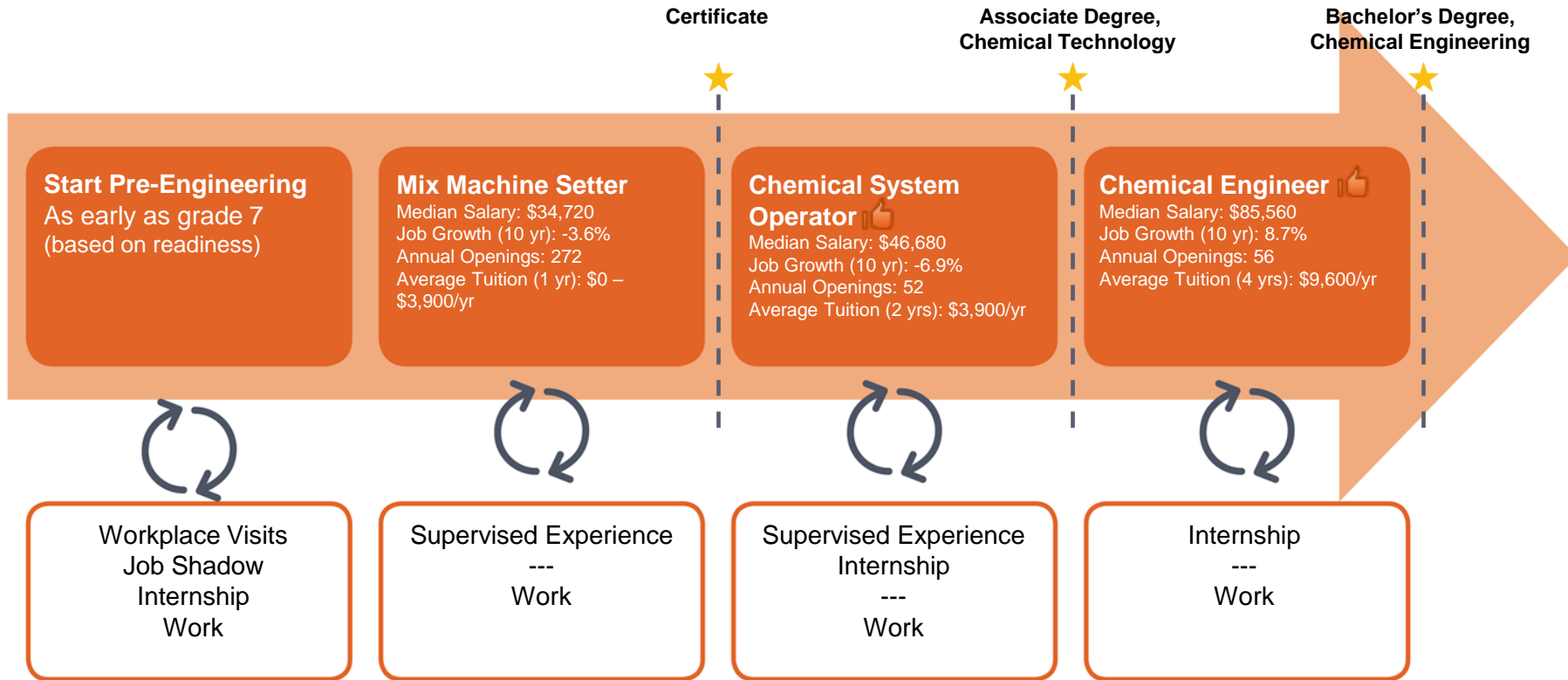




# Engineering and Science Technologies Career Pathway



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).



# Engineering and Science Technologies Career Pathway



Secondary Pathway: **Engineering and Design**

Postsecondary Program: **Chemical Technology**

## An Example of Courses with Secondary and Postsecondary Credits

Secondary	9	English 9	Geometry Honors	Biology Honors	U.S. History	Health Found. of PE	Intro to Engineering Design	German I	
	10	English 10	Alg II-Trig Honors	Chemistry Honors	Non—Western Studies World History	Economics Financial Lit .	Principles of Engineering	German II	
	11	AP English Language	Pre-calculus Honors	AP Physics	U.S. Government	AP Computer Program.	Digital Electronics	AP Cchemistry	
	12	College Comp 1	AP Calculus	AP Chemistry	P.E Architecture	Fine Art	Engineering Design	AP German	
Postsecondary	Year 1 1st Semester	College Composition II	Calculus II	General Chemistry II	Chemistry II Lab	Intro to College Research			
	Year 1 2nd Semester	Humanities Elective	Calculus III	Intro to Business	Intro to Science Professions	Intro to Engineering I			
	Year 2 1st Semester	History Elective	College Physics II	Organic Chemistry I	Organic Chem Lab I	Intro to Engineering II			
	Year 2 2nd Semester	Social Science Elective	Physics Lab Projects	Organic Chemistry II	Organic Chem Lab II	Internship			

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