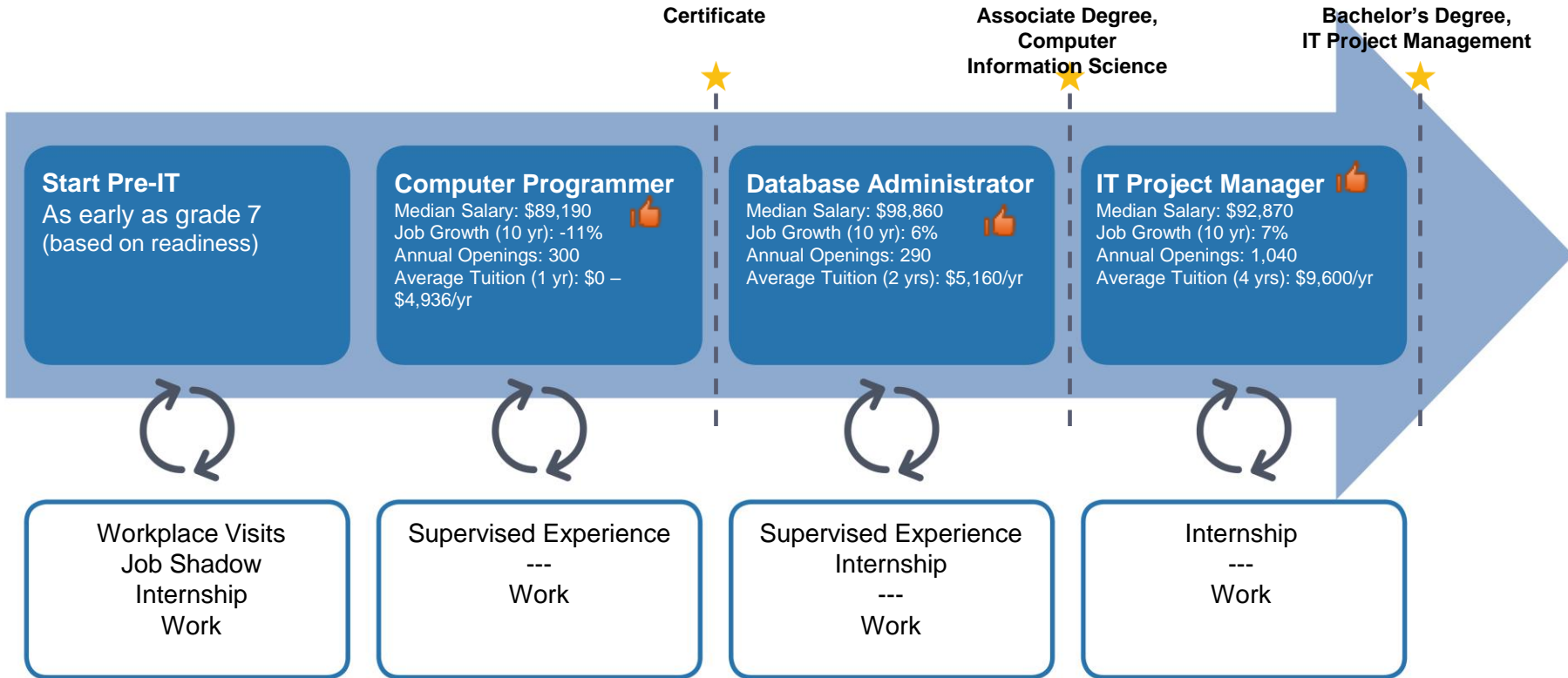


Information Technology Career Pathway



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 2020 Occupational Employment and wages and Onet. For specific tuition costs, visit ohiohighered.org.



Information Technology Career Pathway

Secondary Pathway: Programming and Software Development

Postsecondary Program: Programming and Software Development

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Information Technology	Programming	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Object Oriented Programming	Visual Programming	World Languages
	11	English III	Algebra II	Chemistry	U.S. History	Systems Analysis & Design	World Languages		
	12	English IV	Trigonometry/ Calculus	Physics	U.S. Government	Database Applications Development			
Postsecondary	Year 1 1st Semester	English	College Seminar	Intro to Business	Computer Applications	Computer Programming	Operating Systems & Security		
	Year 1 2nd Semester	Technical Writing	Math for Information Technology	Internet Programming I	Database	Advanced C++			
	Year 2 1st Semester	College Algebra	Visual Basic I	Internet Programming II	Systems Analysis & Design	Natural Science Elective			
	Year 2 2nd Semester	Communication	Visual Basic II	Java Programming	Arts & Humanities Elective	Social Science Elective	IT Capstone		

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.

11/2014