Information Technology Career Pathway

Certificate, CompTIA A+, Network+ ★

Associate Degree, Computer Information Systems ★

Bachelor's Degree, Computer Engineering ★

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

Computer User Support Specialist 👍
Median Salary: $42,750
Job Growth (10 yr): 13.4%
Annual Openings: 949
Average Tuition (1 yr): $0 – $3,900/yr

Network and Computer Systems Administrator 👍
Median Salary: $65,150
Job Growth (10 yr): 23.1%
Annual Openings: 586
Average Tuition (2 yrs): $3,900/yr

Computer Hardware Engineer
Median Salary: $87,780
Job Growth (10 yr): 8.2%
Annual Openings: 31
Average Tuition (4 yrs): $9,600/yr

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience

Work

Supervised Experience
Internship

Work

Internship

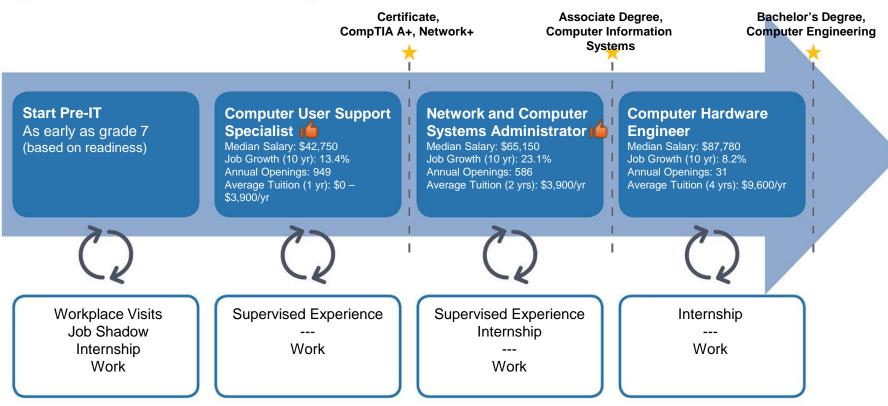Work

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.

Ohio | Department of Education

Ohio MEANS Jobs.

Ohio | Board of Regents University System of Ohio

Information Technology Career Pathway

Secondary Pathway: **Network Systems**   Postsecondary Program: **Computer Networking**

An Example of Courses with Secondary and Postsecondary Credits

Secondary								
7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Information Technology	Networking	
9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Network Operating Systems	Network Management	World Languages
11	English III	Algebra II	Chemistry	U.S. History	Network Security	World Languages		
12	English IV	Trigonometry/ Calculus	Physics	U.S. Government	Routing & Switching			

Postsecondary								
Year 1 1st Semester	Operating Systems & Software	Computer Hardware Support	Cisco I: Networking Technologies	Networking Fundamentals				
Year 1 2nd Semester	English	TCP/IP	Cisco II: Basic Router Technologies	Network Administration				
Year 2 1st Semester	Intro to Business	Technical Writing	Cisco III: LAN Switching & Wireless	Math	Natural Science Elective			
Year 2 2nd Semester	Professional Success Strategy	Networking Capstone	Cisco IV: WAN Technologies	Arts & Humanities Elective	Social Science 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.

1/2016