

Information Technology Career Pathway M7 Region 2023-2026

EXPLORE: Click on the links to find the job titles that seem most interesting to you to learn more! Save any jobs you are interested in from this career pathway in your XELLO account so that you can create an Academic and Career Plan (ACP) later on.

Educational Level May also require work experience	Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
High School Diploma, Certification	Tech Support Technician PC Technician Web Designer Technical Writer Range \$20,700 - \$97,800				
Certification or Technical Diploma	Database Entry Specialist Quality Assurance Specialist Range \$30,400 - \$76,800	Information Security Specialist* Range \$44,800 - \$131,000	Mobile App Support Range \$30,700 - \$87,900	Systems Tech Range \$50,600-\$113,800	User Interface/Experience Developer Web Developer * Range \$30,400 - \$150,400
Registered Apprenticeship	IT Service Desk Technician Range \$30,400 - \$65,000	Data Analyst* Cybersecurity Analyst* Range \$30,400 - \$113,800			Software Developer* Range \$55,700 - \$150,400
Associate Degree	Business Systems Analyst <small>o</small> Tech Project/Product Coordinator <small>o</small> Technical Trainer Range \$42,200 - \$113,800	Information Security Analyst * <small>o</small> Range \$44,800 - \$131,000	Video Game Designer <small>o</small> Robotics Technician Application Developer <small>o</small> Range \$63,900-\$143,200	Computer Network Specialist * <small>o</small> Network Administrator <small>o</small> Software Quality Analyst Cloud Administrator Range \$41,200-\$113,300	Augmented/Virtual Reality Developer Programmer Analyst Software Developer* SCRUM Master Range \$35,000 - \$150,400
Bachelor Degree and beyond	IT Project/Product Manager <small>o</small> Tech Director Computer & Information Systems Manager Business Intelligence Analyst Range \$42,200 - \$180,500	Cyber Crime Investigator Security Architect * Cybersecurity Engineer * Chief Information Security Officer Database Developer <small>o</small> Range \$38,400- \$336,000	Data Scientist * <small>o</small> Artificial Intelligence Programmer * Robotics Engineer <small>o</small> Range \$42,200-\$143,200	Network Architect * Hardware Engineer <small>o</small> Data Warehouse Analyst <small>o</small> Range \$45,700-\$148,600	Web Administrator <small>o</small> Computer Programmer * <small>o</small> Computer Scientist <small>o</small> GIS Specialist <small>o</small> Range \$45,700 - \$158,100
Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options

*** BRIGHT OUTLOOK** = these jobs are expected to grow in the future – which means more opportunities for you!



Information Technology Career Pathway at Washington High School

Your Academic and Career Plan (ACP) for this career pathway starts here...

Use this page to figure out which classes and activities you will take to prepare for this career pathway. Record your plan in XELLO.

Career and Technical Education Courses	<ul style="list-style-type: none"> • Exploring Computer Science • NAF AOIT Intro to Programming • Mobile Application Development • NAF AOIT Computer Systems • NAF AOIT Database Design • NAF AOIT Graphic Design • Web Development w/HTML & CSS • DE Intro to Game Design • AP TEALS Computer Science Principles 	<p>Start creating your professional network through CAREER EXPLORATION PROGRAMS. Record your experiences in XELLO.</p>
Other Recommended Courses	<ul style="list-style-type: none"> • Software Applications • NAF Principles of Business Customer Service 	<p><u>State/National:</u></p> <ul style="list-style-type: none"> • National Center for Women in IT (NCWIT) • Hour of Code <p><u>Regional:</u></p> <ul style="list-style-type: none"> • MKE Tech Hub Coalition • STEM Forward <p><u>Local:</u></p> <ul style="list-style-type: none"> • BDPA Milwaukee • Northwestern Mutual Data Science Institute (NMDSI) • Milky Way Tech Hub • MPS Job Board • We Energies Designer Youth Apprenticeship program
Career and Technical Student Organization	<ul style="list-style-type: none"> • Skills USA 	
Work-Based Learning Options	<ul style="list-style-type: none"> • Youth Apprenticeship- IT (450 hrs/year; 1-2 years) • Local Work-based Learning programs that meet state quality requirements 	

Industry Recognized Credential Options <i>Italics = must be 18 years old to obtain</i>	Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
<p>NAFTrack Certification / https://naf.org/innovation-and-products/naftrack/ Google IT Support Professional Certificate / https://www.coursera.org/professional-certificates/google-it-support</p>					

College Credit Opportunities and Post Secondary Options You can find the list of college credit opportunities for this pathway HERE	College Courses Offered at Your High School	
Transcribed Credit <ul style="list-style-type: none"> • DE Intro to Game Design, MATC • Web Development w/HTML & CSS, MATC 	AP and/or IB Courses - several colleges and universities offer credit for the courses below. The example below is for UW-Milwaukee. AP English Language and Composition <ul style="list-style-type: none"> • Score 3; UWM; 3 credits free elective • Score 4; UWM; 3 credits ENGLISH 101 • Score 5; UWM; 3 credits ENGLISH 102 AP TEALS Computer Science Principles <ul style="list-style-type: none"> • Score 3-5; UWM; 3 credits COMPSCI 150 	

College Courses You Can Take at a College Campus