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 o Technical Writer o **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 o Web Developer ✱o **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 o Tech Project/Product Coordinator o Technical Trainer **Range $42,200 - $113,800**	Information Security Analyst ✱ o **Range $44,800 - $131,000**	Video Game Designer o Robotics Technician Application Developer o **Range $63,900-$143,200**	Computer Network Specialist ✱o Network Administrator o 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 o 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 o **Range $38,400- $336,000**	Data Scientist ✱o Artificial Intelligence Programmer✱ Robotics Engineer o **Range $42,200-$143,200**	Network Architect ✱ Hardware Engineer o Data Warehouse Analyst o **Range $45,700-$148,600**	Web Administrator o Computer Programmer ✱o Computer Scientist o GIS Specialist o **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 Hamilton 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	• Intro to Multimedia • PLTW Computer Science Essentials • Multimedia Photo and Video • PLTW Computer Science Principles • Design Elements & Principles	Start creating your professional network through **CAREER EXPLORATION PROGRAMS.** Record your experiences in XELLO.
Other Recommended Courses	• Start Your Own Small Business	State/National: • National Center for Women in IT (NCWIT) • Hour of Code Regional: • MKE Tech Hub Coalition • STEM Forward Local: • Milky Way Tech Hub • MPS Job Board • We Energies Designer Youth Apprenticeship program
Career and Technical Student Organization		
Work-Based Learning Options	• Youth Apprenticeship- IT (450 hrs/year; 1-2 years) • Local Work-based Learning programs that meet **state quality requirements**	

Industry Recognized Credential Options *Italics = must be 18 years old to obtain*	Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
	IT Specialist via **Certiport** Adobe Pro*				

College Courses Offered at Your High School

College Credit Opportunities and Post Secondary Options You can find the list of college credit opportunities for this pathway HERE You can find the postsecondary options for this pathway HERE.	Transcripted Credit • Start Your Own Small Business, MATC • Design Elements & Principles, 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 • Score 3; UWM; 3 credits free elective • Score 4; UWM; 3 credits ENGLISH 101 • Score 5; UWM; 3 credits ENGLISH 102 AP English Lit/Comp • Score 3; UWM; 3 credits free elective • Score 4; UWM; 3 credits ENGLISH 101 • Score 5; UWM; 3 credits ENGLISH 102 AP Statistics • Score 3-5; UWM; 3 credits MTHSTAT 215 (for scores 4 or 5, counts as BUS ADM 210 for Business majors w/additional instruction provided by the Lubar School) AP Calculus AB