Digital Technology Career Pathway
New North
2020-2021

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	Business Analysis & Project Management	Cybersecurity	Data Technology	Network & Systems Infrastructure	Software Development & Programming
HS Diploma, Certification		Help Desk ✳⚪	Data Collection ⚪ IT Customer Service ⚪ Range $38,070-$97,680	Software (Unit) Testing ✳⚪	
Certification or Technical Diploma	Desktop/PC Support ✳⚪ Help Desk Range $32,330-$88,470	Information Security Specialist ✳⚪ Desktop/PC Support ✳⚪ Help Desk Range $32,330-$88,470	Database Entry Specialist Desktop/PC Support ✳⚪ Help Desk Range $22,610-$68,830	Desktop/PC Support ✳⚪ Systems Tech ✳ Network Tech Support ✳ Server Infrastructure Support BYOD Tech Range $23,300-$132,520	Web Developer ⚪ Mobile App Support ✳ Quality Assurance Specialist User Interface/Experience Developer ✳ Range $49,260-$144,970
Registered Apprenticeship		Data Analyst ✳ IT Service Desk Technician ✳ Range $43,760-$118,070			Software Developer ✳ Range $64,240-$164,590
Associate Degree	Business Systems Analyst ✳⚪ IT Project Coordinator Technical Trainer SCRUM Master ✳ Range $43,855-$136,190	Computer/Info Security Analyst ✳ Vulnerability Tester Cryptographer Range $57,030-$156,200	Database Administrator Database Entry Specialist Database Maintenance Range $51,800-$148,060	Computer Network Specialist ✳⚪ Network Administrator Network Architect Range $52,040-$135,780	Web Developer ⚪ Mobile Application Developer Programmer Analyst ✳ Software Developer ✳ SCRUM Master ✳ Network Administrator Augmented/Virtual Reality Developer ✳ UI/UX Designer Range $50,320-$148,486
Bachelor Degree and beyond	Tech Support Manager IT Project Manager ⚪ Tech Director SCRUM Master ✳ Business Analyst Range $59,700-169,250	Cyber Crime Investigator ✳ Security Architect ✳ Chief Information Security Officer ✳ Source Code Security Analyst Systems Security Specialist Range $49,500-149,000	Data Architect ✳ Data Warehouse Analyst ✳ Business Intelligence Analyst ✳ Data Scientist ✳ GIS Specialist ⚪ AI/Machine Learning Range $50,200-149,000	Network Architect Hardware Engineer ⚪ IS Manager Development Operations Engineer Cloud Engineer Cloud Solutions Architect Systems Analyst Range $54,700-154,900	Web Administrator ⚪ Computer Programmer ✳⚪ Software Engineer ⚪ Software Developer ✳⚪ Computer Scientist Application Developer ✳⚪ Range $57,000-160,300
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!

⚪ **XELLO** = you can learn more and save this job in your Xello account (note: some job titles might look a little different in Xello)

Digital Technology **Career Pathway**
New North Region - Sheboygan 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	• Microsoft Office Specialist • Programming Introduction • Digital Web Design • Web Development Programming		Start creating your professional network through **CAREER EXPLORATION PROGRAMS.** Record your experiences in XELLO.
Other Recommended Courses	• Advancements in Web Design & Development • Web Development 2 • Introduction to Database Design & Development		**Regional** • **NEW Connect IT** • **Tech TItans** • FVTC Summer Camps • UWGB Summer Camps • NWTC Career Events • Lambeau Field Career Expo • Inspire Sheboygan County
Career and Technical Student Organization	• Future Business Leaders of America (FBLA) Student Organization		
Work-Based Learning Options	• **Employability Skills** (90 hrs) • **State Skill Standards Co-Op- Business/IT** (480 hrs/1 year) • **Youth Apprenticeship- IT** (450 hrs/year; 1-2 years) • Local Work-based Learning Programs that meet **state quality requirements**		

Industry Recognized Credential Options Learn the skills that employers want to see! *Italics = must be 18 years old to obtain* *This certification is eligible for reimbursement through the technical incentive grant	Business Analysis & Project Management	Cybersecurity	Data Technology	Network & Systems Infrastructure	Software Development & Programming
	Through Certiport and Testout, students may gain Microsoft Office Specialist industry certifications.				
	Apple Certified Support Professional (ACSP) & Certified Mac Technician (ACMT) **CompTIA** • **IT Fundamentals** • **A+** * • **SECURITY+** • **NETWORK+** • **PROJECT+**	**Cisco** • **CCENT** * • **CCT** • **CCNA** – Any specialty* **CompTIA** • **SECURITY+** **Palo Alto (PCCSA, PCNSA, PCNSE)**	Oracle Certified Junior Associate or higher* • **Java Foundations** • **Oracle Database Foundations**	**Cisco** • **CCENT** * • **CCNA** – Any specialty* **LINUX- Essentials** * **CompTIA** • **IT Fundamentals** • **A+** * • **SECURITY+** • **NETWORK+** • **PROJECT+** • **CLOUD ESSENTIALS+** **Certified Network Defense Architect (CDNA)**	Certiport: **Swift Certification Level 1** * **Google Developer** **Adobe***

College Credit Opportunities You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE.	**College Courses Offered at Your High School**	
	Transcripted Credit • Programming Introduction, Lakeshore Technical College • Web Development Programming, Lakeshore Technical College • Advancements in Web Design and Development, Lakeshore Technical College	• Database Basics, Lakeland University
	College Courses You Can Take at a College Campus Application Deadlines: October 1st: Spring Courses February 1st: Summer Courses (ECCP only) March 1st: Fall Courses	
	Start College Now • Lakeshore Technical College, Integrated Web Concepts • Lakeshore Technical College, Advanced Computer Graphics • Northeast WI Technical College, Intro to IT • Northeast Wisconsin Technical College, Website Coding	• University of Wisconsin-Green Bay, Introduction to IT Operations • University of Wisconsin-Green Bay, Advanced Software Design