



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



Digital Technology Career Pathway In High School



A career pathway in high school must include:

- A sequence of courses (including at least 2 CTE courses)
- Two of the following components: *Career and Technical Student Organization, Work-based Learning, Industry Recognized Credential, College Credit Opportunity*

Career and Technical Education Courses	Must include a sequence of at least TWO Career and Technical Education courses. Should align with Education Building Blocks for the pathway: <ul style="list-style-type: none"> • • • 				CAREER EXPLORATION PROGRAMS
Additional Employer Recommended Courses	Should align with Education Building Blocks for this pathway: <ul style="list-style-type: none"> • • 				You can find the list of career exploration programs associated with this pathway and develop a program list specific to your region or school. Regional <ul style="list-style-type: none"> • NEW Connect IT • Tech Titans • FVTC Summer Camps • UWGB Summer Camps • NWTC Career Events
Career and Technical Student Organization	<ul style="list-style-type: none"> • Future Business Leaders of America (FBLA) Student Organization • Skills USA 				
Work-Based Learning Program Options	<ul style="list-style-type: none"> • 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 				
	Business Analysis & Project Management	Cybersecurity	Data Technology	Network & Systems Infrastructure	Software Development & Programming
Industry Recognized Credential Options Learn the skills that employers want to see! <i>Italics = must be 18 years old to obtain</i> <i>*This certification is eligible for reimbursement through the technical incentive grant</i>	<p style="text-align: center;">IC3 Microsoft MOS*, MTA*, MCSA, MCSD, MCSE via Microsoft or Certiport</p>				
	Apple Certified Support Professional (ACSP) & Certified Mac Technician (ACMT) CompTIA <ul style="list-style-type: none"> • IT Fundamentals • A+* • SECURITY+ • NETWORK+ • PROJECT+ 	Cisco <ul style="list-style-type: none"> • CCENT* • CCT • CCNA – Any specialty* CompTIA <ul style="list-style-type: none"> • SECURITY+ Palo Alto (PCCSA, PCNSA, PCNSE)	Oracle Certified Junior Associate or higher* <ul style="list-style-type: none"> • Java Foundations • Oracle Database Foundations 	Cisco <ul style="list-style-type: none"> • CCENT* • CCNA – Any specialty* LINUX- Essentials* CompTIA <ul style="list-style-type: none"> • IT Fundamentals • A+* • SECURITY+ • NETWORK+ • PROJECT+ • CLOUD ESSENTIALS+ Certified Network Defense	Certiport: Swift Certification Level 1* Google Developer Adobe*
College Credit	You can find the list of college credit opportunities included in the				