



Digital Technology Career Pathway

<Name of Region>
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
High School Diploma, Certification	Support Technician ★ ○	Data Entry Clerk ○	PC Technician ○	Quality Controller (Software) ★ ○	Web Designer ○
	Range \$xxx,xxx-xxx,xxx				
Certification or Technical Diploma	Tech Support Specialist ★ ○ Range \$xxx,xxx-xxx,xxx	Information Security Specialist ★ ○ Range \$xxx,xxx-xxx,xxx	Computer Operator Database Entry Specialist Range \$xxx,xxx-xxx,xxx	Systems Tech ★ Range \$xxx,xxx-xxx,xxx	Junior Web Developer ○ Mobile App Support ★ Quality Assurance Specialist User Interface/Experience Developer ★ Augmented/Virtual Reality Developer ★ Range \$xxx,xxx-xxx,xxx
Registered Apprenticeship	Data Analyst ★ IT Service Desk Technician ★ Range \$xxx,xxx-xxx,xxx				Software Developer ★ Range \$xxx,xxx-xxx,xxx
Associate Degree	Business Systems Analyst ★ ○ Tech Project Coordinator Technical Trainer SCRUM Master ★ Range \$xxx,xxx-xxx,xxx	Information Security Analyst ★ Cryptographer Range \$xxx,xxx-xxx,xxx	Database Developer ★ Range \$xxx,xxx-xxx,xxx	Computer Network Specialist ★ ○ Network Administrator ★ Range \$xxx,xxx-xxx,xxx	Web Developer ○ Application Developer ★ Programmer Analyst ★ Software Developer ★ SCRUM Master ★ Range \$xxx,xxx-xxx,xxx
Bachelor Degree and beyond	Tech Support Manager IT Project Manager ○ Tech Director Range \$xxx,xxx-xxx,xxx	Cyber Crime Investigator ★ Security Architect ★ Cybersecurity Engineer ★ Chief Information Security Officer ★ Range \$xxx,xxx-xxx,xxx	Data Architect ★ Data Warehouse Analyst ★ Business Intelligence Analyst ★ Data Scientist ★ GIS Specialist ○ Range \$xxx,xxx-xxx,xxx	Network Architect ★ Hardware Engineer ○ Range \$xxx,xxx-xxx,xxx	Web Administrator ○ Computer Programmer ★ ○ Software Engineer ★ ○ Computer Scientist ○ Range \$xxx,xxx-xxx,xxx
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 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.
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>	IC3 Microsoft MOS*, MTA*, MCSA, MCSD, MCSE via Microsoft or Certiport				Certiport: Swift Certification Level 1 * Google Developer Adobe *
	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+ 	
College Credit Opportunities	You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE .				