



# 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.

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

\* **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*

<b>Career and Technical Education Courses</b>	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"> <li>•</li> <li>•</li> <li>•</li> </ul>				<b>CAREER EXPLORATION PROGRAMS</b>
<b>Additional Employer Recommended Courses</b>	Should align with Education Building Blocks for this pathway: <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>				<b>Regional</b> <ul style="list-style-type: none"> <li>• <a href="#">NEW Connect IT</a></li> <li>• <a href="#">Tech Titans</a></li> <li>• <a href="#">FVTC Summer Camps</a></li> <li>• <a href="#">UWGB Summer Camps</a></li> <li>• <a href="#">NWTC Career Events</a></li> </ul>
<b>Career and Technical Student Organization</b>	<ul style="list-style-type: none"> <li>• <a href="#">Future Business Leaders of America (FBLA) Student Organization</a></li> <li>• <a href="#">Skills USA</a></li> </ul>				
<b>Work-Based Learning Program Options</b>	<ul style="list-style-type: none"> <li>• <a href="#">Employability Skills</a> (90 hrs)</li> <li>• <a href="#">State Skill Standards Co-Op- Business/IT</a> (480 hrs/1 year)</li> <li>• <a href="#">Youth Apprenticeship- IT</a> (450 hrs/year; 1-2 years)</li> <li>• Local Work-based Learning Programs that meet <a href="#">state quality requirements</a></li> </ul>				
	<b>Business Analysis &amp; Project Management</b>	<b>Cybersecurity</b>	<b>Data Technology</b>	<b>Network &amp; Systems Infrastructure</b>	<b>Software Development &amp; Programming</b>
<b>Industry Recognized Credential Options</b> 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>	<b>IC3</b> Microsoft MOS*, MTA*, MCSA, MCSD, MCSE via <a href="#">Microsoft</a> or <a href="#">Certiport</a>				Certiport: <a href="#">Swift Certification Level 1</a> *  <a href="#">Google Developer</a>  <a href="#">Adobe</a> *
	<b>Apple Certified Support Professional (ACSP) &amp; Certified Mac Technician (ACMT)</b>  <b>CompTIA</b> <ul style="list-style-type: none"> <li>• <a href="#">IT Fundamentals</a></li> <li>• <a href="#">A+</a> *</li> <li>• <a href="#">SECURITY+</a></li> <li>• <a href="#">NETWORK+</a></li> <li>• <a href="#">PROJECT+</a></li> </ul>	<b>Cisco</b> <ul style="list-style-type: none"> <li>• <a href="#">CCENT</a> *</li> <li>• <a href="#">CCT</a></li> <li>• <a href="#">CCNA</a> – Any specialty*</li> </ul> <b>CompTIA</b> <ul style="list-style-type: none"> <li>• <a href="#">SECURITY+</a></li> </ul> <b>Palo Alto (PCCSA, PCNSA, PCNSE)</b>	Oracle Certified Junior Associate or higher* <ul style="list-style-type: none"> <li>• <a href="#">Java Foundations</a></li> <li>• <a href="#">Oracle Database Foundations</a></li> </ul>	<b>Cisco</b> <ul style="list-style-type: none"> <li>• <a href="#">CCENT</a> *</li> <li>• <a href="#">CCNA</a> – Any specialty*</li> </ul> <b>LINUX- Essentials</b> *  <b>CompTIA</b> <ul style="list-style-type: none"> <li>• <a href="#">IT Fundamentals</a></li> <li>• <a href="#">A+</a> *</li> <li>• <a href="#">SECURITY+</a></li> <li>• <a href="#">NETWORK+</a></li> <li>• <a href="#">PROJECT+</a></li> <li>• <a href="#">CLOUD ESSENTIALS+</a></li> </ul>	
<b>College Credit Opportunities</b>	You can find the list of college credit opportunities included in the postsecondary options for this pathway <a href="#">HERE</a> .				<b>Certiport: <a href="#">Swift Certification Level 1</a> *</b>  <b><a href="#">Google Developer</a></b>  <b><a href="#">Adobe</a></b> *