



Digital Technology Career Pathway

MadREP Region

2021-2022



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 to your XELLO account so that you can create an Academic and Career Plan (ACP).

Educational Level May also require work experience	Business Analysis & Project Management	Cybersecurity	Data Technology	Network & Systems Infrastructure	Software Development & Programming
HS Diploma, Certification	<ul style="list-style-type: none"> Data Entry Clerk ○ PC Technician ○ Quality Controller (Software) * ○ Support Technician * ○ Web Designer ○ <p>Range \$28,770-\$108,080</p>				
Certification or Technical Diploma	<ul style="list-style-type: none"> E-Commerce Manager SEO Specialist Tech Support Specialist * ○ <p>Range \$36,290-\$83,840</p>	<ul style="list-style-type: none"> Information Security Specialist * ○ <p>Range \$64,870-\$106,580</p>	<ul style="list-style-type: none"> Computer Operator Database Entry Specialist <p>Range \$28,770-\$68,560</p>	<ul style="list-style-type: none"> Cloud Engineer * System Engineer * Systems Analyst * <p>Range \$49,480-\$110,850</p>	<ul style="list-style-type: none"> Augmented/Virtual Reality Developer * Junior Web Developer ○ Mobile App Support * Quality Assurance Specialist UI/UX Developer * <p>Range \$36,150-\$108,080</p>
Registered Apprenticeship	<ul style="list-style-type: none"> Data Analyst * Field Service Technician IT Support Technician * ○ <p>Range \$36,290-\$110,850</p>				<ul style="list-style-type: none"> Back End Engineer * Front End Engineer * Full Stack Engineer * <p>Range \$67,190-\$108,080</p>
Associate Degree	<ul style="list-style-type: none"> Business Systems Analyst * ○ Tech Program Manager Tech Project Coordinator Technical Trainer SCRUM Master * <p>Range \$36,410-\$110,850</p>	<ul style="list-style-type: none"> Information Security Analyst * Cryptographer/Block Chain Engineer <p>Range \$49,480-\$106,580</p>	<ul style="list-style-type: none"> Database Developer * <p>Range \$59,810-\$95,910</p>	<ul style="list-style-type: none"> Cloud Engineer * Computer Network Specialist * ○ Network Administrator * <p>Range \$49,480-\$91,480</p>	<ul style="list-style-type: none"> Application Developer * Dev Ops Engineer ○ SCRUM Master * Software Engineer * Video Game Designer * <p>Range \$44,240-\$108,080</p>
Bachelor Degree and beyond	<ul style="list-style-type: none"> IT Project Manager ○ Product Manager * Tech Director Tech Support Manager UI/UX Manager * <p>Range \$44,240-\$145,580</p>	<ul style="list-style-type: none"> Chief Information Security Officer * Cyber Crime Investigator * Cybersecurity Engineer * Security Architect * <p>Range \$35,760-\$216,560</p>	<ul style="list-style-type: none"> Business Intelligence Engineer * Data Architect * Data Engineer * Data Scientist * GIS Specialist ○ <p>Range \$44,460-\$95,910</p>	<ul style="list-style-type: none"> Cloud Architect * Hardware Engineer ○ Network Architect * System Architect * <p>Range \$49,480-\$104,230</p>	<ul style="list-style-type: none"> Dev Ops Engineer * ○ Software Engineer * ○ Video Game Developer <p>Range \$49,480-\$108,080</p>
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 & 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 Regional: <ul style="list-style-type: none"> • Madison College Career Discovery Camps • UW-Madison Engineering Summer Program • UW Platteville Youth Programs • UW Madison College of Engineering Outreach Programs • UW Madison IT Academy • Badger Pre-College Online • Inspire Madison Region (Profiles & Career Development Activities) • Hour of Code • Maydm STEM Programs • Future Quest • More career exploration programs. Local:
Relevant Academic Courses	Should align with Education Building Blocks for this pathway: <ul style="list-style-type: none"> • • 	
Career & 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 hours) • State Skill Standards Co-Op- Business/IT (480 hours/1 year) • Youth Apprenticeship- IT (450 hours/year; 1-2 years) • Local Work-based Learning Programs that meet state quality requirements 	
College Credit Opportunities	<ul style="list-style-type: none"> • You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE. 	

Industry Recognized Credential Options	Business Analysis & Project Management	Cybersecurity	Data Technology	Network & Systems Infrastructure	Software Development & Programming
Learn the skills that employers want to see! *This certification is eligible for reimbursement to high school through the technical incentive grant	<ul style="list-style-type: none"> • IC3 • Microsoft MOS*, MTA*, MCSA, MCSD, MCSE via Microsoft or Certiport 				
	Apple Certified Support Professional (ACSP) Apple Certified Mac Technician (ACMT) CompTIA <ul style="list-style-type: none"> • IT Fundamentals • A+* • SECURITY+ • NETWORK+ • PROJECT+ 	Cisco <ul style="list-style-type: none"> • 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"> • CCNA - Any specialty* LINUX- Essentials* CompTIA <ul style="list-style-type: none"> • IT Fundamentals • A+* • SECURITY+ • NETWORK+ • PROJECT+ • CLOUD ESSENTIALS+ Certified Network Defense Architect (CDNA)	Certiport: Swift Certification Level 1* Google Developer Adobe*