Information Technology Career Pathway
<Name of Region>
2023-2026

Pathways WISCONSIN

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	Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
High School Diploma, Certification		Tech Support Technician	PC Technician Web Designer ○ Technical Writer ○ Range $xxx,xxx-xxx,xxx		
Certification or Technical Diploma	Database Entry Specialist Quality Assurance Specialist Range $xxx,xxx-xxx,xxx	Information Security Specialist ✶ Range $xxx,xxx-xxx,xxx	Mobile App Support Range $xxx,xxx-xxx,xxx	Systems Tech Range $xxx,xxx-xxx,xxx	User Interface/Experience Developer ○ Web Developer ✶○ Range $xxx,xxx-xxx,xxx
Registered Apprenticeship	IT Service Desk Technician Range $xxx,xxx-xxx,xxx	Data Analyst ✶ Cybersecurity Analyst ✶ Range $xxx,xxx-xxx,xxx			Software Developer ✶ Range $xxx,xxx-xxx,xxx
Associate Degree	Business Systems Analyst ○ Tech Project/Product Coordinator ○ Technical Trainer Range $xxx,xxx-xxx,xxx	Information Security Analyst ✶○ Range $xxx,xxx-xxx,xxx	Video Game Designer ○ Robotics Technician Application Developer ○ Range $xxx,xxx-xxx,xxx	Computer Network Specialist ✶○ Network Administrator ○ Software Quality Analyst Cloud Administrator Range $xxx,xxx-xxx,xxx	Augmented/Virtual Reality Developer Programmer Analyst Software Developer ✶ SCRUM Master Range $xxx,xxx-xxx,xxx
Bachelor Degree and beyond	IT Project/Product Manager ○ Tech Director Computer & Information Systems Manager Business Intelligence Analyst Range $xxx,xxx-xxx,xxx	Cyber Crime Investigator Security Architect ✶ Cybersecurity Engineer ✶ Chief Information Security Officer Database Developer ○ Range $xxx,xxx-xxx,xxx	Data Scientist ✶○ Artificial Intelligence Programmer ✶ Robotics Engineer ○ Range $xxx,xxx-xxx,xxx	Network Architect ✶ Hardware Engineer ○ Data Warehouse Analyst ○ Range $xxx,xxx-xxx,xxx	Web Administrator ○ Computer Programmer ✶○ Computer Scientist ○ GIS Specialist ○ 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)

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*

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		CAREER EXPLORATION OPPORTUNITIES
Career and Technical Education Courses	Must include a sequence of at least TWO Career and Technical Education courses. Should align with the curriculum standards for the pathway: • •	
Additional Employer Recommended Courses	Should align with the appropriate standards for the course for this pathway: • •	**State:** • Cyberg.org • Destination Imagination • First Wisconsin • Game Development Camps - UW-Whitewater • GenCyber • Girls Go CyberStart • Girls Who Code • Made By Them (MAYDM) • Vex Robotics • MKE Esports • Video Game Programming Camps - UW-Green Bay • STEAM Campus–UW-Stevens Point **Regional:** **Local:**
Career and Technical Student Organization	• Future Business Leaders of America (FBLA) Student Organization • Skills USA	
Work-Based Learning Program 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	

	Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
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**	IC3 — Microsoft MOS*, MTA*, MCSA, MCSD, MCSE via Microsoft or Certiport — Seal of Biliteracy (**DPI**) — Certificate of Global Competence (**DPI**)				
	Apple CompTIA • IT Fundamentals • A+ * • SECURITY+ • NETWORK+ • PROJECT+ • CLOUD ESSENTIALS Google IT Support Professional	Cisco • CCENT * • CCT • CCNA – Any specialty* CompTIA • SECURITY+ • NETWORK+ 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* Python C++ Scrum CIW
College Credit Opportunities	You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE.				

Information Technology Career Pathway
at <Name of 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.

Add your district logo here!

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Career and Technical Education Courses	• CTE Course #1 • CTE Course #2 • CTE Course #3	Start creating your professional network through **CAREER EXPLORATION PROGRAMS.** Record your experiences in XELLO.

Other Recommended Courses	• Course #1 • Course #2 • Course #3	State: • Program Name/link #1 • Program Name/link #2 Regional: • Program Name/link #1 • Program Name/link #2 Local: • Program Name/link #1 • Program Name/link #2
Career and Technical Student Organization	• Name of CTSO	
Work-Based Learning Options	• WBL Option #1 • WBL Option #2	

Industry Recognized Credential Options

Italics = must be 18 years old to obtain

Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
IRC Name/link #1 IRC Name/link #2				
IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2

College Credit Opportunities and Post Secondary Options

You can find the list of college credit opportunities for this pathway HERE

You can find the postsecondary options for this pathway HERE.

College Courses Offered at Your High School

Transcripted Credit
- Name of HS Course #1, IHE granting credit
- Name of HS Course #2, IHE granting credit

AP and/or IB Courses

Name of AP/IB Course #1	Name of AP/IB Course #2
- Score, College, Course	- Score, College, Course
- Score, College, Course	- Score, College, Course
- Score, College, Course	- Score, College, Course

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
- Name of College #1, College Course #1
- Name of College #1, College Course #2
- Name of College #2, College Course #1
- Name of College #2, College Course #2

Early College Credit Program
- Name of College #1, College Course #1   - Name of College #1, College Course #2
- Name of College #2, College Course #1   - Name of College #2, College Course #2
- Name of College #3, College Course #1   - Name of College #3, College Course #2
- Name of College #4, College Course #1   - Name of College #4, College Course #2