



# Information Technology Career Pathway NEW North Gresham 2023-2026



**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>Information Systems</b>	<b>Data and Cybersecurity</b>	<b>Emerging Technology</b>	<b>Network &amp; Systems Infrastructure</b>	<b>Software Development &amp; Programming</b>
High School Diploma, Certification	<a href="#">Tech Support Technician</a> <a href="#">PC Technician</a> <a href="#">Web Designer</a> <a href="#">Technical Writer</a> Range \$39,600-113,300				
Certification or Technical Diploma	<a href="#">Database Entry Specialist</a> <a href="#">Quality Assurance Specialist</a>  Range \$41,200-105,600	<a href="#">Information Security Specialist*</a>  Range \$46,500-166,800	<a href="#">Mobile App Support</a>  Range \$36,600-94,900	<a href="#">Systems Tech</a>  Range \$61,400-161,900	<a href="#">User Interface/Experience Developer</a>  <a href="#">Web Developer</a> *  Range \$59,300-188,300
Registered Apprenticeship	<a href="#">IT Service Desk Technician</a>  Range \$48,000-78,000	<a href="#">Data Analyst</a> * <a href="#">Cybersecurity Analyst</a> *  Range \$64,400-104,600			<a href="#">Software Developer</a> *  Range \$79,900-129,800
Associate Degree	<a href="#">Business Systems Analyst</a> <sup>o</sup> <a href="#">Tech Project/Product Coordinator</a> <sup>o</sup> <a href="#">Technical Trainer</a>  Range \$40,700-137,700	<a href="#">Information Security Analyst</a> * <sup>o</sup>  Range \$66,000-174,500	<a href="#">Video Game Designer</a> <sup>o</sup> <a href="#">Robotics Technician</a> <a href="#">Application Developer</a> <sup>o</sup>  Range \$51,500-154,500	<a href="#">Computer Network Specialist</a> * <sup>o</sup> <a href="#">Network Administrator</a> <sup>o</sup> <a href="#">Software Quality Analyst</a> <a href="#">Cloud Administrator</a>  Range \$51,400-138,400	<a href="#">Augmented/Virtual Reality Developer</a> <a href="#">Programmer Analyst</a> <a href="#">Software Developer</a> *  <a href="#">SCRUM Master</a> Range \$54,800-139,600
Bachelor Degree and beyond	<a href="#">IT Project/Product Manager</a> <sup>o</sup> <a href="#">Tech Director</a> <a href="#">Computer &amp; Information Systems Manager</a> <a href="#">Business Intelligence Analyst</a>  Range \$77,900-207,100	<a href="#">Cyber Crime Investigator</a> <a href="#">Security Architect</a> * <a href="#">Cybersecurity Engineer</a> * <a href="#">Chief Information Security Officer</a> <a href="#">Database Developer</a> <sup>o</sup> Range \$53,500-178,600	<a href="#">Data Scientist</a> * <sup>o</sup> <a href="#">Artificial Intelligence Programmer</a> * <a href="#">Robotics Engineer</a> <sup>o</sup>  Range \$53,700-137,700	<a href="#">Network Architect</a> * <a href="#">Hardware Engineer</a> <sup>o</sup> <a href="#">Data Warehouse Analyst</a> <sup>o</sup>  Range \$69,800-181,900	<a href="#">Web Administrator</a> <sup>o</sup> <a href="#">Computer Programmer</a> * <sup>o</sup> <a href="#">Computer Scientist</a> <sup>o</sup> <a href="#">GIS Specialist</a> <sup>o</sup>  Range \$56,400-180,800
Postsecondary Options	Click <a href="#">HERE</a> for Postsecondary Options	Click <a href="#">HERE</a> for Postsecondary Options	Click <a href="#">HERE</a> for Postsecondary Options	Click <a href="#">HERE</a> for Postsecondary Options	Click <a href="#">HERE</a> for Postsecondary Options

\* **BRIGHT OUTLOOK** = these jobs are expected to grow in the future - which means more opportunities for you!



# Information Technology Career Pathway at Gresham 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.

<b>Career and Technical Education Courses</b>	<ul style="list-style-type: none"> <li>Media.com</li> <li>Programming 1 Erving</li> <li>UWRF Computer Programming 1 Erving</li> <li>UWRF Computer Programming II Erving</li> <li>NTC Digital Media Overview Erving</li> <li>NTC Digital Photography</li> <li>NTC Principles of Information Security Erving</li> <li>NWTC Social Media Marketing Erving</li> <li>NWTC Web Database Develop Erving</li> </ul>				Start creating your professional network through <b>CAREER EXPLORATION PROGRAMS</b> . Record your experiences in XELLO.
<b>Other Recommended Courses</b>	<ul style="list-style-type: none"> <li>NWTC Micro Word</li> <li>NWTC Micro Excel</li> <li>NWTC Intro to IT and Comp Science Principles</li> </ul>				<u>State:</u>
<b>Career and Technical Student Organization</b>	<ul style="list-style-type: none"> <li><a href="#">Skills USA</a></li> </ul>				<u>Regional:</u>
<b>Work-Based Learning Options</b>	<ul style="list-style-type: none"> <li><a href="#">Youth Apprenticeship</a>- IT (450 hrs/year; 1-2 years)</li> <li>Local Work-based Learning Programs that meet <a href="#">state quality requirements</a></li> </ul>				<u>Local:</u>
<b>Industry Recognized Credential Options</b>  <i>Italics = must be 18 years old to obtain</i>	Information Systems	Data and Cybersecurity	Emerging Technology	Network & Systems Infrastructure	Software Development & Programming
<b>College Credit Opportunities and Post Secondary Options</b>  You can find the list of college credit opportunities for this pathway <a href="#">HERE</a>  You can find the postsecondary options for this pathway <a href="#">HERE</a> .	<b>College Courses Offered at Your High School</b>				
	Transcribed Credit		AP and/or IB Courses		
	<b>College Courses You Can Take at a College Campus</b>				
	Application Deadlines: October 1st: Spring Courses      February 1st: Summer Courses (ECCP only)      March 1st: Fall Courses				
	<b>Start College Now</b> <ul style="list-style-type: none"> <li>NTC Digital Media Overview Erving</li> <li>NTC Digital Photography</li> <li>NTC Principles of Information Security Erving</li> <li>NWTC Social Media Marketing Erving</li> <li>NWTC Web Database Develop Erving</li> </ul>		<b>Early College Credit Program</b> <ul style="list-style-type: none"> <li>UWRF Computer Programming 1 Erving</li> <li>UWRF Computer Programming II Erving</li> </ul>		