

# CAREER PROGRAM OF STUDY



**Career Cluster:** **INFORMATION TECHNOLOGY**

**Pathway:** Network Systems; Information Support & Services; Web and Digital Communications; and Programming & Software Development

**Student Name:** \_\_\_\_\_

**Career Clusters** identify pathways from high schools to two- and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

**Knowledge and Skills Needed to Succeed in this Career Cluster:** Academic Foundations, Communications, Problem Solving & Critical Thinking, Information Technology Applications, Systems, Safety, Health & Environmental, Leadership & Teamwork, Ethics & Legal Responsibilities, Employability & Career Development, and Technical Skills

		9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>HIGH SCHOOL COURSES</b>	<b>English</b>	<i>Core Courses</i>			
		English I English Prep 2 English Prep I	English II Basic Skills English English Prep 2 English Prep I	Adv. Comp. & Early Amer. Lit. American Literature Basic Skills English English Prep 2	AP English World Literature Adv. Comp. & Early Amer. Lit. Technical Writing Everyday English
	<b>Social Studies</b>	<i>Schedule a Sophomore Individual Planning Conference with your Counselor</i>			
		U.S. History	World History	Modern American History (req.) Psychology Sociology Comparative Politics Modern Global Issues	AP American History Pop Culture Microeconomics Macroeconomics
	<b>Math</b>	<i>Schedule College Visits &amp; College Entrance Exams for Junior Year</i>			
		Algebra I Extended Algebra Geometry	Geometry Extended Geometry Algebra II	Probability & Stats Adv. Geometry Pre-Calculus FST	AP Calculus Discrete Math ACT Math Prep
	<b>Science</b>	<i>Schedule Senior Interview with your Counselor before October 1</i>			
		Integrated Science Biology Plant Science	Biology Chemistry Animal Science	Physics AP Chemistry AP Physics	AP Biology Food Science Animal Health & Nutrition

<b>CAREER ENHANCEMENT</b>	Elective Courses Within This Cluster Include:			School Activities
	Computer Programming I Computer Programming II JAVA Programming Industrial Communication Drafting & CAD Electricity & Electronics	Intro to Microsoft Office Advanced Microsoft Office Web Design Graphic Design Drawing I & II Hot Topics in Computer Science	Implementing Technology Personal Finance Yearbook Publication Accounting I	FBLA Spanish Club German Club Youth Apprenticeship Band Choir

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Counselor Signature: \_\_\_\_\_

Date: \_\_\_\_\_



# INFORMATION TECHNOLOGY

Career Majors		
<b>POST SECONDARY PROGRAMS</b>	<b>Wisconsin Technical College System – 2 year</b> <a href="http://www.witechcolleges.com">www.witechcolleges.com</a>	
	<b>Wisconsin College/University System – 4 year</b> <a href="http://www.uwhelp.wisconsin.edu">www.uwhelp.wisconsin.edu</a> <b>Wisconsin Independent Colleges and Universities</b> <a href="http://www.wisconsinmentor.org">www.wisconsinmentor.org</a>	
Business & Technology CIS-Computer Systems Administration Specialist CIS-Database Administrator CIS-Microcomputer Applications Software Technician CIS-Micro. Programmer CIS-Microcomputer Specialist CIS-Microcomputer Technician CIS-Network Communication CIS-Network Specialist CIS-Programmer/Analyst CIS-Technical Support Specialist	CIS-User Support & Training CIS-WebAnalyst / Programmer CIS-Web Development & Design Specialist Computer-Networking Computer Hardware Tech Computerized Accounting E-Business Technology E-Commerce/Web Admin Geographic Info Systems Information Processing Specialist Information Security	Information Science/Resources Information Technology Management Software Engineering
<i>Learn more about career programs at <a href="http://www.careervoyages.com">www.careervoyages.com</a></i>		



# INFORMATION TECHNOLOGY

Specialty Careers / Occupations			
Network Systems	Information Support and Services	Web and Digital Communications	Programming and Software Development
<p><b>Network Design and Administration:</b>            Communications Analyst            Data Communications Analyst            Information Systems Administrator            Information Systems Operator            Information Technology Engineer</p> <p><b>Network:</b>            Administrator            Analyst            Architect            Engineer            Manager            Operations Analyst            Security Analyst            Specialist            Technician            Transport Administrator            PC Support Specialist</p> <p><b>Systems:</b>            Administrator            Engineer            Support Lead            Technical Support Specialist            Telecommunications Network Technician            User Support Specialist</p>	<p><b>Database Development/ Admin:</b>            Administrator, Analyst - Architect, Management Associate Modeler, Modeling Specialist</p> <p><b>Database:</b>            Administration Associate            Administrator            Analyst, Developer            DSS (Decision Support Services)            Knowledge Architect            Manager, Modeler            Security Expert</p> <p><b>Systems:</b>            Administrator, Analyst, Tester</p> <p><b>Technical Writer:</b>            Desktop Publisher            Document Specialist Documentation Specialist, Editor</p> <p><b>Electronic:</b>            Publications Specialist Publisher            Instructional Designer,            Online Publisher</p> <p><b>Technical:</b>            Communicator Editor            Publications Manager, Writer</p> <p><b>Technical Support:</b>            Analyst            Call Center Support Representative            Content Manager</p> <p><b>Customer:</b>            Liaison            Service Representative            Service Professionals Implementer</p> <p><b>Information Systems:</b>            Architect, Planner</p> <p><b>Systems:</b>            Analyst, Architect, Integrator</p> <p><b>Technical:</b>            Account Manager, Support Engineer            Support Representative, Testing Engineer</p>	<p><b>Web:</b>            Designer, Developer, Producer, Specialist, Webmaster</p> <p><b>Web Development and Web Administration:</b>            Administrator, Architect            Designer, Page Developer            Producer, Site Developer            Specialist, Webmaster</p> <p><b>Digital Media:</b>            2D/3D Artist, Animator            Audio/Video Engineer, Designer            Media Specialist            Instructional Technologist            Media/Instructional Designer</p> <p><b>Multimedia:</b>            Author, Authoring Specialist            Developer, Specialist            Producer, Production Assistant            Programmer            Streaming Media Specialist            Virtual Reality Specialist</p>	<p><b>Applications:</b>            Analyst            Business Analyst            Computer Engineer            Data Modeler            Program Engineer            Software Engineer</p> <p><b>Operating System:</b>            Designer/Engineer            Programmer Analyst            Program Manager            Programmer            Programmer/Analyst            Project Lead</p> <p><b>Software Applications:</b>            Specialist            Architect            Design Engineer            Development Engineer            Engineer            QA Specialist            Tester</p> <p><b>Systems:</b>            Analyst            Administrator            Test Engineer            Tester</p>
<p><i>Learn more about specific occupations at: <a href="http://www.bls.gov/oco/">http://www.bls.gov/oco/</a></i></p>			

SAMPLE CAREER OCCUPATIONS

