

Information Technology Career Plan of Study

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each student's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

Required Courses

Recommended Courses

	9th Grade	10th Grade	11th Grade	12th Grade
HIGH SCHOOL COURSES	English 9 or Honors English 9	English 10 or Honors English 10	English 11 or Honors English 11	2 English Electives or AP English
	Algebra I or Honors Algebra II	Geometry or Honors Geometry	Algebra/Trig or Honors Pre-Calculus	Pre-Calculus, AP Calculus, Stats or AP Stats
	Biology, Advanced Biology, or Honors Biology	Chemistry, Advanced Chemistry, or Honors Chemistry	Physics, Advanced Physics, or Honors Physics	AP Physics, AP Biology, AP Chemistry, Anatomy & Physiology
	World Cultures	US History I / US History II	US History III or APUSH / Economics	
	PE 9 / Health	PE 10	PE 11	
	Computer Requirement: grade 7-12 Computer Applications, Computer Studies, Programming 1, or Intro to Auto CADD			
	Possible Electives: Art, Global Language, Music	Possible Electives Art, Global Language, Music	Additional High School Electives: Art, Global Language, Music	
Career Electives Computer Studies Programming 1 & 2 Intro to Business Event Marketing	Career Electives Business Communications Computer Programming 3 Yearbook	Career Electives: Cisco 1 – Networking Academy (St. Francis HS) Broadcast Journalism, Advanced Communication Youth Options: Please see your counselor	Career Electives: Cisco 2 – Networking Academy (St. Francis HS) Youth Options: Please see your counselor	
CAREER OPTIONS	Occupations related to this career cluster:			Volunteer/Other Opportunities
	Computer Network Coordinators (HOT), Computer Security Specialists (HOT), Computer Systems Analysts (HOT), Data Communications Analysts (HOT), Information Scientists, Computer Programmers, Scientific & Engineering Programmers, Software Engineers (HOT), Tool Programmers, Video Game Designers, Animators, Medical & Scientific Illustrators, Web Masters, Computer Engineers, Computer Support Specialists, and Database Administrators (HOT) More occupations can be found at www.wiscareers.wisc.edu . (HOT) Job openings in these occupations are projected to increase by at least 27% over the next 10 years.			Numerous volunteer opportunities available at: www.volunteermilwaukee.org Internships Job Shadowing Co-ops
POST SECONDARY	Technical College	College/University		Military
	<u>AAS/Associate Degree = 2 year program</u> Computer Hardware Technician Computer Simulation & Gaming Computer Support Specialist E-Commerce Web Administration Information Systems Security Specialist Network Specialist, Programmer/Analyst <u>Technical Diploma = 1 year program</u> Customer Information Specialist Web Designer	<u>Possible Majors/Degrees</u> Information Technology Office Management Computer Systems Networking and Administration Webmaster and Web Management More majors/degrees can be found at www.wiscareers.wisc.edu .		Computer Systems Officers Computer Systems Specialists Obtain local recruiter contact information in guidance services.