



Information Technology Career Pathway Program of Study

Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

Careers	<u>Certification/Associates Degree:</u>			
	Computer Support Specialist	Sound Manager		
	Computer Systems Analyst	UNIX Administrator		
	Recording Engineer	Web Architect/Designer		
	<u>Bachelors or Higher Degree:</u>			
	Animator	Network Security Analyst		
	Data Systems Designer	Programmer		
	Database Administrator	Scientific & Medical Illustrator		
	Illustrator	Software Applications Specialist		
	Information Technology Engineer	Systems Administrator		
Media Specialist	Telecommunications Network Tech			
Network Administrator				
High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	English	English	English	English
	Math	Math	Math	Math
	Science	Science	Science	
	Social Science	Social Science	Social Science	
	Physical Education	Physical Education	Physical Education	Physical Education
		Consumer Ed/ Communication Arts		
	<u>Recommended Pathway Courses</u>			
Computer Programming/ Robotics		Computer Science		
AP Computer Science		Web Design		
Ap computer Principles		Network + / Linux		
School Activities	<u>Career Enhancement Tools / Work-based Learning</u>			
	Naviance / Career Cruising		NSERVE Summer Career Exploration Courses	
	Internships		Information Technology Club	
	Job Shadowing		Robotics Club	
	Check out careers at <i>Inspire Your Future</i> . Log-in with your Career Cruising info.			
Pathways	Information Support & Services		Web and Digital Communications	
	Network Systems			
	Programming and Software Development			
College & University Majors	<u>College & University Majors</u>			
	Artificial Intelligence		Digital Arts	
	Computer and Information Sciences		Game and Interactive Media Design	
	Computer Engineering		Human Computer Interaction	
	Computer Programming		Information Science	
	Computer Science		Information Technology	
	Computer Software and Media Applications			
	Computer Software Engineering			
	Computer Systems Analysis			
	Computer Systems Networking & Telecommunications			

		Certificates	Degrees	Dual Credit	Four-Year Universities Transfer Programs	
Oakton Community College Programs	<u>Computer Information Systems</u>					
	Adv. Web Site Development (43 cr)	Associate in Applied Science				
	Computer Programmer (35 cr)	Computers & Info. Systems (62 cr)				
	Computer User Certificate (18 cr)					
	Computer Technology (18 cr)					
	Internet & Computer Core (14 cr)					
	Microsoft Project Mgt. Prep. (5 cr)					
	Mgt. Information Systems (27 cr)					
	Oracle Database Admin. (15 cr)					
	PC Support Specialist (34 cr)					
	UNIX (10 cr)					
	Visual Basic Programmer (38 cr)					
	Web Site Developer (18 cr)					
	Web Based Course Developer (16 cr)					
	Web Site Support & Maint. (30 cr)					
	<u>Computer Networking & Systems</u>					
	Win. Desktop Support Tech (10 cr)	Associate in Applied Science (60 cr)	CNS105: Networking Essentials			
	Win. Server Administration (19 cr)					
	Win. Certified Enterprise Admin. (28 cr)					
	Network Security (12 cr)					
	Network Security Admin. (18 cr)					
	Win. Support Technician (19 cr)					
	CISCO Certified Network Assoc. (16 cr)					
	<u>Electronics & Computer Technology</u>					
	Home/Office Tech. Integrator (9 cr)	Associate in Applied Science (60 cr)				
	Electronics Technology (42 cr)					
	Electronics Computer Tech. (36 cr)					
	A+ Computer Diagnostic Spec. (11 cr)					
	Industrial/Commercial Electrical (13 cr)		CAD220: CAD Into to Bldg. Syst.			
	<u>Graphic Design</u>					
	Animation & Multimedia (30 cr)	Associate in Applied Science (67 cr)	ART115: Beginning Photography			
	Photography (33 cr)					
	Web Graphic Page Design (30 cr)					