



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.



Sample Career Specialties / Occupations	<p>Network Design and Administration: Communications Analyst + Data Communications Analyst Information Systems Administrator Information Systems Operator Information Technology Engineer <input type="checkbox"/> Internet Access Provider</p> <p>Network: Administrator Analyst Architect Engineer Manager Operations Analyst Security Analyst Specialist Technician Transport Administrator</p> <p>Network Engineer PC Support Specialist Systems Support Lead</p> <p>Systems: Administrator Engineer Support Lead</p> <p>❖ Technical Support Specialist ❖ User Support Specialist</p> <p>+ Telecommunications Network Technician</p>	<p>Database Development and Administration: Data: Administrator Analyst Architect Management Associate Modeler Modeling Specialist</p> <p>Database: Administrative Associate Administrator Analyst Developer Manager Modeler Security Expert DSS (Decision Support Services) Knowledge Architect</p> <p>Senior: + Database Administrator Systems Analyst</p> <p>Systems: Administrator Analyst</p> <p>❖ Tester</p> <p>Technical Writer: <input type="checkbox"/> Desktop Publisher Document Specialist</p> <p>Documentation Specialist + Editor</p> <p>Electronic Publications Specialist Publisher</p> <p>Instructional Designer Online Publisher</p> <p>Technical Communicator Editor Publications Manager Writer</p> <p>Technical Support: Analyst Call Center Support Representative ❖ Computer Operator Content Manager</p> <p>Customer: Liaison ❖ Service Representative Service Professional</p> <p>Help Desk: <input type="checkbox"/> Specialist Technician <input type="checkbox"/> Maintenance Technician PC Support Specialist PC Systems Coordinator Product Support Engineer</p>	<p>Sales Support Technician + Systems Analyst</p> <p>Technical: Account Manager Support Engineer Support Representative</p> <p>Testing Engineer</p> <p>Enterprise Systems Analysis and Integration: Application Integrator Business Continuity Analyst Cross-Enterprise Integrator</p> <p>Data: Systems Designer Systems Manager Warehouse Designer</p> <p>E-Business Specialist Electronic Transactions Implementer</p> <p>Information Systems: Architect Planner</p> <p>Systems: Analyst Architect Integrator</p>	<p>Digital Media: 2D/3D Artist Animator Audio/Video Engineer Designer + Media Specialist Media/Instructional Designer</p> <p>Multimedia: Author Authoring Specialist Developer Specialist Producer ❖ Production Assistant Programmer Streaming Media Specialist + Virtual Reality Specialist</p> <p>Web: Designer Producer Specialist</p> <p>Web Development and Administration: Web: Administrator Architect <input type="checkbox"/> Designer <input type="checkbox"/> Internet Researcher ❖ Page Developer Producer Site Developer Specialist Webmaster – Level 1 and 2 (c) Webmaster</p>	<p>Programming / Software Engineering: Applications: Analyst Engineer</p> <p>Business Analyst + Computer Engineer Data Modeler</p> <p>Operating System: Designer/Engineer Programmer Analyst</p> <p>Program Manager <input type="checkbox"/> Programmer Programmer/Analyst Project Lead</p> <p>Software Applications: Specialist Architect <input type="checkbox"/> Computer Game Designer Design Engineer Development Engineer Engineer QA Specialist ❖ Tester</p> <p>Systems: + Analyst Administrator</p> <p>Test Engineer ❖ Tester</p>
Pathways	Network Systems	Information Support and Services		Interactive Media	Programming and Software Development
Cluster K&S	<p>Cluster Knowledge and Skills</p> <ul style="list-style-type: none"> • Academic Foundations • Communications • Employability and Career Development • Ethics and Legal Responsibilities 			<p>Education Needed for Career</p> <ul style="list-style-type: none"> ❖ High School – completed high school, high school with career and technology training, GED, on-the-job training, or apprenticeship <input type="checkbox"/> Junior College – completed junior/community college, postsecondary technical, or career and technology training + Baccalaureate Degree – completed four-year degree or more 	