

**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.**

IT CLUSTER CONCENTRATION (B)	CLUSTER SPECIALTY AREAS SAMPLE JOB TITLES (A)
Network Systems	<ul style="list-style-type: none"> <li>▪ <b>Network Design and Administration:</b> <ul style="list-style-type: none"> <li>▪ Communications Analyst , Data Communications Analyst, Information Systems Administrator, Information Systems Operator, Information Technology Engineer</li> <li>▪ <b>Network:</b> Administrator, Analyst, Architect, Engineer, Manager, Operations Analyst Security Analyst, Specialist, Technician, Transport Administrator</li> <li>▪ PC Support Specialist, Systems Support Lead</li> <li>▪ <b>Systems:</b> Administrator, Engineer</li> <li>▪ Technical Support Specialist, User Support Specialist</li> <li>▪ Telecommunications Network Technician</li> </ul> </li> </ul> <p align="right">*New &amp; Emerging Occupations</p>
Information Support and Services	<ul style="list-style-type: none"> <li>▪ <b>Database Development and Administration:</b> <ul style="list-style-type: none"> <li>▪ <b>Data:</b> Administrator, Analyst, Architect, Management Associate, Modeler, Modeling Specialist</li> <li>▪ <b>Database:</b> Administration Associate, Administrator, Analyst, Developer, Manager, Modeler, Security Expert</li> <li>▪ DSS (Decision Support Services), Knowledge Architect</li> <li>▪ <b>Senior</b> Database Administrator, Systems Analyst</li> <li>▪ <b>Systems</b> Administrator, Analyst</li> <li>▪ Tester</li> </ul> </li> <li>▪ <b>Technical Writer:</b> <ul style="list-style-type: none"> <li>▪ Desktop Publisher, Document Specialist, Documentation Specialist, Editor</li> <li>▪ <b>Electronic</b> Publications Specialist, Publisher</li> <li>▪ Instructional Designer, Online Publisher</li> <li>▪ <b>Technical</b> Communicator, Editor, Publications Manager, Writer</li> </ul> </li> <li>▪ <b>Technical Support:</b> <ul style="list-style-type: none"> <li>▪ Analyst, Call Center Support Representative, Content Manager</li> <li>▪ <b>Customer:</b> Liaison, Service Representative, Service Professional</li> <li>▪ <b>Help Desk:</b> Specialist, Technician</li> <li>▪ Maintenance Technician, PC Support Specialist, PC Systems Coordinator, Product Support Engineer, Sales Support Technician, Systems Analyst</li> <li>▪ <b>Technical:</b> Account Manager, Support Engineer, Support Representative</li> <li>▪ Testing Engineer</li> </ul> </li> <li>▪ <b>Enterprise Systems Analysis and Integration:</b> <ul style="list-style-type: none"> <li>▪ Application Integrator, Business Continuity Analyst, Cross-Enterprise Integrator</li> <li>▪ <b>Data:</b> Systems Designer, Systems Manager, Warehouse Designer</li> <li>▪ E-Business Specialist, Electronic Transactions Implementer</li> <li>▪ <b>Information Systems:</b> Architect, Planner</li> <li>▪ <b>Systems:</b> Analyst, Architect, Integrator</li> </ul> </li> </ul> <p align="right">*New &amp; Emerging Occupations</p>
Interactive Media	<ul style="list-style-type: none"> <li>▪ <b>Digital Media:</b> <ul style="list-style-type: none"> <li>▪ 2D/3D Artist, Animator, Audio/Video Engineer, Designer, Media Specialist, Media/Instructional Designer</li> <li>▪ <b>Multimedia:</b> Author, Authoring Specialist, Developer, Specialist</li> <li>▪ Producer, Production Assistant, Programmer, Streaming Media Specialist, Virtual Reality Specialist</li> <li>▪ <b>Web:</b> Designer, Producer, Specialist</li> </ul> </li> <li>▪ <b>Web Development and Administration:</b> <ul style="list-style-type: none"> <li>▪ <b>Web:</b> Administrator, Architect, Designer, Page Developer, Producer, Site Developer, Specialist, Webmaster – Level 1 &amp; 2 (C)</li> </ul> </li> </ul> <p align="right">*New &amp; Emerging Occupations</p>
Programming and Software Development	<ul style="list-style-type: none"> <li>▪ <b>Programming/Software Engineering:</b> <ul style="list-style-type: none"> <li>▪ <b>Applications:</b> Analyst, Engineer</li> <li>▪ Business Analyst, Computer Engineer, Data Modeler</li> <li>▪ <b>Operating System:</b> Designer/Engineer, Programmer/Analyst</li> <li>▪ Program Manager, Programmer, Programmer/Analyst, Project Lead</li> <li>▪ <b>Software Applications:</b> Specialist, Architect, Design Engineer, Development Engineer, Engineer, QA Specialist, Tester</li> <li>▪ <b>Systems:</b> Analyst, Administrator</li> <li>▪ Test Engineer, Tester</li> </ul> </li> </ul> <p align="right">*New &amp; Emerging Occupations</p>