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)	SAMPLE JOB TITLES (A)
	CLUSTER SPECIALTY AREAS
Network Systems	■ **Network Design and Administration:** 　■ Communications Analyst , Data Communications Analyst, Information Systems Administrator, Information Systems Operator, Information Technology Engineer 　■ **Network:** Administrator, Analyst, Architect, Engineer, Manager, Operations Analyst Security Analyst, Specialist, Technician, Transport Administrator 　■ PC Support Specialist, Systems Support Lead 　■ **Systems:** Administrator, Engineer 　■ Technical Support Specialist, User Support Specialist 　■ Telecommunications Network Technician　　　　　　　　　　　　　　　　　　　　　　　*New & Emerging Occupations
Information Support and Services	■ **Database Development and Administration:** 　■ **Data**: Administrator, Analyst, Architect, Management Associate, Modeler, Modeling Specialist 　■ **Database**: Administration Associate, Administrator, Analyst, Developer, Manager, Modeler, Security Expert 　■ DSS (Decision Support Services), Knowledge Architect 　■ **Senior** Database Administrator, Systems Analyst 　■ **Systems** Administrator, Analyst 　■ Tester ■ **Technical Writer:** 　■ Desktop Publisher, Document Specialist, Documentation Specialist, Editor 　■ **Electronic** Publications Specialist, Publisher 　■ Instructional Designer, Online Publisher 　■ **Technical** Communicator, Editor, Publications Manager, Writer ■ **Technical Support:** 　■ Analyst, Call Center Support Representative, Content Manager 　■ **Customer:** Liaison, Service Representative, Service Professional 　■ **Help Desk:** Specialist, Technician 　■ Maintenance Technician, PC Support Specialist, PC Systems Coordinator, Product Support Engineer, Sales Support Technician, Systems Analyst 　■ **Technical:** Account Manager, Support Engineer, Support Representative 　■ Testing Engineer ■ **Enterprise Systems Analysis and Integration:** 　■ Application Integrator, Business Continuity Analyst, Cross-Enterprise Integrator 　■ **Data:** Systems Designer, Systems Manager, Warehouse Designer 　■ E-Business Specialist, Electronic Transactions Implementer 　■ **Information Systems:** Architect, Planner 　■ **Systems:** Analyst, Architect, Integrator　　　　　　　　　　　　　　　　　　　　　*New & Emerging Occupations
Interactive Media	■ **Digital Media:** 　■ 2D/3D Artist, Animator, Audio/Video Engineer, Designer, Media Specialist, Media/Instructional Designer 　■ **Multimedia:** Author, Authoring Specialist, Developer, Specialist 　■ Producer, Production Assistant, Programmer, Streaming Media Specialist, Virtual Reality Specialist 　■ **Web**: Designer, Producer, Specialist ■ **Web Development and Administration:** 　■ **Web:** Administrator, Architect, Designer, Page Developer, Producer, Site Developer, Specialist, Webmaster – Level 1 & 2 (C)　　*New & Emerging Occupations
Programming and Software Development	■ **Programming/Software Engineering:** 　■ **Applications**: Analyst, Engineer 　■ Business Analyst, Computer Engineer, Data Modeler 　■ **Operating System:** Designer/Engineer, Programmer/Analyst 　■ Program Manager, Programmer, Programmer/Analyst, Project Lead 　■ **Software Applications**: Specialist, Architect, Design Engineer, Development Engineer, Engineer, QA Specialist, Tester 　■ **Systems**: Analyst, Administrator 　■ Test Engineer, Tester　　　　　　　　　　　　　　　　　　　　　　　　　　　*New & Emerging Occupations