



**MANAGEMENT INFORMATION SYSTEMS TECHNOLOGY**

10/27/2005

Management Support Skills

**MIS Objectives**

The 10 main MIS branches are further broken down to target specific needs represented by the following core business functions

- > MANAGEMENT JOB FUNCTIONS
- > ENGINEERING JOB FUNCTIONS
- > TECHNICAL JOB FUNCTIONS

10/27/2005

**MIS TREE**

Created for: College of Continuing Education  
Created by: Dr. Michael Kelley

**Management Information Systems**

- MIS Architecture
- Data Center Design & Operations
- Enterprise Messaging Design & Operations
- MIS Capability Maturity Model (CMM)
- MIS Management
- Enterprise Business Applications Design & Operations
- MIS Quality Control
- MIS Assessment & Security
- MIS Training & Support
- Migration & Legacy Support Services

**Network & Engineering Systems**

- Network & Engineering Systems Architecture
- Engineering Operations
- Network Operations
- Engineering R&D
- Network & Engineering Management
- Network Implementation
- Engineering Quality Control
- Network Assessment & Security
- Training & Support
- Migration & Legacy Support Services

**Computer Systems**

- Computer Systems Design
- Computer Systems Infrastructure
- Computer Systems Operations
- Computer Systems R&D
- Computer Systems Management
- Enterprise Systems Operations
- Computer Systems Quality Control
- Computer Systems Assessment & Security
- Computer Systems Training & Support
- Migration & Legacy Support Services

**Telecommunications & Multimedia**

- Telecom & Multimedia Systems Design
- Telecommunications Infrastructure
- Multimedia Infrastructure
- Telecommunications Operations
- Telecom & Multimedia Management
- Multimedia Operations
- Telecommunications & Multimedia Quality Control
- Assessment & Security
- Training & Support
- Migration & Legacy Support Services

**Standards & Technology**

- Standards & Technology Functions
- Standards Capability Maturity Model (CMM)
- Technology R&D
- Law, Ethics, Trademark, Import & Export
- Management & Integration
- Acquisition & Services
- Certification & Compliance
- Testing & Acceptance
- Training & Awareness
- Industry Forecasting & Posturing

**Application Development**

- Application Development Design
- Application Modeling
- Application Infrastructure
- Application Configuration Management
- Application Development Management
- Enterprise Application Integration
- Application Development Quality Control
- Application Assessment & Security
- Application Development Training & Support
- Migration & Legacy Support Services

**Technology Support**

- Technical Support Design
- Help Desk Support Infrastructure
- Help Desk Support Operations
- Customer Relations Support Systems
- Support Services Management
- Technical Support Connectivity Services
- Help Desk Support Quality Control
- Help Desk Assessment & Security
- Help Desk Support Training
- Migration & Legacy Support Services

**Information Security**

- Information Security Design & Architecture
- Access Controls & Application Development
- Telecom, Network & Multimedia Controls
- Physical Security Controls
- Security Management
- Operations Security Response Controls
- Security Law, Ethics & Investigation
- Security ID & Cryptography
- Security Training & Awareness
- Security DRP & BCP

**Policy & Compliance**

- Policy & Review Functions
- Policy Design
- Policy Compliance Review Design
- Integration, Enforcement & Governance
- Policy Management
- Law & Ethics - Policy Compliance
- International Framework Initiatives
- Policy Audit & Review
- Policy Training & Awareness
- Government Framework Initiatives

**Computational Science**

- CS Functions
- Analytical Analysis Methodology
- CS Lab Design
- Computational Science R&D
- CS Lab Management
- CS Quality Control
- Signal Processing & Instrumentation Computing
- Imaging Science Computing
- Mathematical & Statistical Computing
- Bioscience & Engineering Computing