

4.0 COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

4.4 Management of Information Systems (S): Students will understand how to analyze the need for, plan, manage, and support the use of business systems to accomplish mission-critical functions. They will demonstrate competency by successfully deploying a management system that improves the productivity of an organization.

4.4.1 Change Management—analyze the potential impact of a system on the people in the organization through the systems life cycle and develop appropriate plans addressing impact on resources

4.4.2 Deployment Planning—identify steps for systems implementation and resources needed including technical support and ongoing active learning and training programs

4.4.3 Needs Analysis—describe a business problem, examine functional requirements, and prepare a cost-benefit analysis

4.4.4 Resource Management—explain how to qualify, recruit and manage both internal and external resources needed when developing, deploying, and supporting systems in an organization

4.4.5 Risk Analysis—identify and analyze organizational, technical, and financial risks associated with the implementation and use of a system

4.4.6 Systems Management—develop system life-cycle models and plans for the ongoing upgrade, support, and training of users

4.4.7 Systems Security—develop a plan and implement policies and procedures to ensure the security and integrity of management systems

4.4.8 Systems Selection—investigate, evaluate, select, and use major types of systems applications and vendors including retail, manufacturing, and service management

4.4.9 Training—design information and instruction for users to ensure efficient, productive systems operation