**Program Rubric—MASTER OF SCIENCE INFORMATION TECHNOLOGY - ITAS661/663/665/669** Version 3.0 – October 2017

**Expectations:** For students in graduate programs, work is expected to focus on mastery of advanced discipline-specific frameworks, professional practices, and tools.

DNS = Did Not Submit N/A = Not Applicable to Assignment

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| **Criteria** | **Exemplary (5)** | **Accomplished (4)** | **Proficient (3)** | **Partially Proficient (2)** | **Unacceptable (1)** |
| **INTERNET SECURITY**  *[INTERNET SECURITY]* | Demonstrate full understanding of the information security issues, trends, and ability to analyze and synthesize best practices in information security. The individual should know different types of threats, security vulnerabilities, risks, and attack methods for Windows, Unix, switches, routers , etc, as well as countermeasures that should be provided. Full understanding of regulations and laws that relate to information security. | Demonstrate the skills to analyze and correlate attacks with threats and vulnerability and determine the associated risks. The individual should be able to develop business case document for information security and design and implement information security to protect business data. | Demonstrate good understanding of today’s information security issues. Demonstrates a sound understanding of the purpose of the skills to develop policies, standards, and procedures to maintain security and manage Internet Security risks in a business environment. Full understand of cryptography. Knowledge of authentication tools. | Demonstrate reasonable understanding of information security issues, tools, and best practices. The individual should be able to explain security issues such as cryptography (hashing, encryption, and decryption), privacy, and disaster recovery from both business and technical perspectives. | Has difficulty explaining information security issues and cannot demonstrate understanding of the purpose of the skills to develop policies, standards, and procedures or how to encrypt and decrypt data. |
| **CRITICAL THINKING** Synthesize different ideas, beliefs, perspectives, and approaches in the process of arriving at conclusions or solutions (includes ethical reasoning and awareness of cultural diversity)**.** | Demonstrates outstanding or exemplary ability to integrate different ideas, beliefs, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions)  Demonstrates outstanding or exemplary ability to proactively seek and incorporate multiple and diverse perspectives when working with one’s own and other cultures (as applicable). | Demonstrates clear ability to integrate different ideas, beliefs, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).  Demonstrates clear ability to seek and incorporate multiple and diverse perspectives when working with one’s own and other cultures (as applicable). | Demonstrates adequate or proficient ability to integrate, different ideas, beliefs, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).  Demonstrates adequate ability to seek (when instructed), and incorporate multiple and diverse perspectives when working with one’s own and other cultures (as applicable). | Demonstrates inadequate or partially proficient ability to integrate, different ideas, thoughts, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).  Demonstrates partially proficient ability to incorporate multiple and diverse perspectives when working with one’s own and other cultures (as applicable). | Demonstrates limited ability to integrate different ideas, thoughts, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).  Demonstrates limited ability to incorporate multiple and diverse perspectives when working with one’s own and other cultures (as applicable). |