ITMS 448 RUBRIC

ITMS 448 Cyber Security Technologies
Students may be scored on a scale of 1 to 5; scores of 2 and 4 may be interpolated.

Program Educational Objectives			
Objective **Score ▶**	**5**	**3**	**1**
Perform requirements analysis, design and administration of computer and network-based systems conforming to policy and best practices, and monitor and support continuing development of relevant policy and best practices as appropriate.	The student is consistently able to perform requirements analysis, to design and administer computer and network-based systems conforming to policy and best practices, and to monitor and support continuing development of relevant policy and best practices as appropriate	The student is generally able to perform requirements analysis, to design and administer computer and network-based systems conforming to policy and best practices, and to monitor and support continuing development of relevant policy and best practices as appropriate, but this may not be consistent	The student is unable to perform requirements analysis, to design and administer computer and network-based systems conforming to policy and best practices, or to monitor and support continuing development of relevant policy and best practices
Course student outcomes Upon completion of this course the student should be able to do the following:			
Outcome **Score ▶**	**5**	**3**	**1**
Recall and describe various careers in cybersecurity	The student is able to recall and describe various careers in cybersecurity accurately and in detail	The student is able to recall and describe various careers in cybersecurity with some omissions or inaccuracies	The student is unable to recall or describe various careers in cybersecurity
Describe Access Control and Bash Scripting	The student is able to describe Access Control and Bash Scripting accurately and in detail	The student is able to describe Access Control and Bash Scripting with some omissions or inaccuracies	The student is unable to describe Access Control and Bash Scripting
Describe use of the NIST SP 800 Series Publications	The student is able to describe use of the NIST SP 800 Series Publications accurately and in detail	The student is able to describe use of the NIST SP 800 Series Publications with some omissions or inaccuracies	The student is unable to describe use of the NIST SP 800 Series Publications
Describe Security Architecture and Design, DIACAP IA Controls, and Virtualization	The student is able to describe Security Architecture and Design, DIACAP IA Controls, and Virtualization accurately and in detail	The student is able to describe Security Architecture and Design, DIACAP IA Controls, and Virtualization with some omissions or inaccuracies	The student is unable to describe Security Architecture and Design, DIACAP IA Controls, and Virtualization
Recall and describe key concepts of Physical and Environmental Security	The student is able to recall and describe key concepts of Physical and Environmental Security accurately and in detail	The student is able to recall and describe key concepts of Physical and Environmental Security with some omissions or inaccuracies	The student is unable to recall or describe key concepts of Physical and Environmental Security
Recall and describe key concepts of Cryptography and Cryptographic Applications	The student is able to recall and describe key concepts of Cryptography and Cryptographic Applications accurately and in detail	The student is able to recall and describe key concepts of Cryptography and Cryptographic Applications with some omissions or inaccuracies	The student is unable to recall or describe key concepts of Cryptography or Cryptographic Applications
Describe the need for and function of Business Continuity and Disaster Recovery	The student is able to describe the need for and function of Business Continuity and Disaster Recovery accurately and in detail	The student is able to describe the need for and function of Business Continuity and Disaster Recovery with some omissions or inaccuracies	The student is unable to describe the need for and function of Business Continuity and Disaster Recovery
Recall applicable Laws, Regulations, Compliance, and Investigations and describe their application	The student is able to recall applicable Laws, Regulations, Compliance, and Investigations and describe their application accurately and in detail	The student is able to recall applicable Laws, Regulations, Compliance, and Investigations & describe their application with some omissions or inaccuracies	The student is unable to recall applicable Laws, Regulations, Compliance, or Investigations or describe their application
Demonstrate knowledge of Application Security	The student is able to demonstrate knowledge of Application Security accurately and in detail	The student is able to demonstrate knowledge of Application Security with some omissions or inaccuracies	The student is unable to demonstrate knowledge of Application Security
Demonstrate knowledge of Operations Security	The student is able to demonstrate knowledge of Operations Security accurately and in detail	The student is able to demonstrate knowledge of Operations Security with some omissions or inaccuracies	The student is unable to demonstrate knowledge of Operations Security
Recall and describe special topics in cybersecurity	The student is able to recall and describe special topics in cybersecurity accurately and in detail	The student is able to recall and describe special topics in cybersecurity with some omissions or inaccuracies	The student is unable to recall and describe special topics in cybersecurity
Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles	The student is always able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles	The student is occasionally able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles, but not consistently	The student shows no ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles
Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline	The student is always able to function effectively as a member or leader of a team engaged in activities appropriate to the pro-gram's discipline	The student is often able to function effectively as a member or leader of a team engaged in activities appropriate to the pro-gram's discipline	The student is unable to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline
Assist in the creation of an effective project plan	The student is always able to effectively assist in the creation of an effective project plan	The student is often able to assist in the creation of an effective project plan	The student is unable to assist in the creation of a project plan