## **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 Objectiv		2	1
Objective Score ►	5	3	
Perform requirements analysis, design and administration of	The student is consistently able to perform requirements analy-	The student is generally able to	The student is unable to per- form requirements analysis, to
computer and network-based	sis, to design and administer	perform requirements analysis, to design and administer com-	design and administer computer
systems conforming to policy and	computer and network-based	puter and network-based sys-	and network-based systems con-
best practices, and monitor and	systems conforming to policy	tems conforming to policy and	forming to policy and best prac-
support continuing development	and best practices, and to moni-	best practices, and to monitor	tices, or to monitor and support
of relevant policy and best practices	tor and support continuing	and support continuing develop-	continuing development of
as appropriate.	development of relevant policy	ment of relevant policy and best	relevant policy and best
as appropriate.	and best practices as appropriate	practices as appropriate, but	practices
		this may not be consistent	F
Course student outcomes		2	
Upon completion of this course	e the student should be able to do	the following:	
Outcome Score ►	5	3	1
Recall and describe various careers	The student is able to recall and	The student is able to recall and	The student is unable to recall
in cybersecurity	describe various careers in	describe various careers in	or describe various careers in
	cybersecurity accurately and in	cybersecurity with some omis-	cybersecurity
	detail	sions or inaccuracies	5 5
Describe Access Control and Bash	The student is able to describe	The student is able to describe	The student is unable to de-
Scripting	Access Control and Bash Script-	Access Control and Bash Script-	scribe Access Control and Bash
	ing accurately and in detail	ing with some omissions or	Scripting
	0	inaccuracies	
Describe use of the NIST SP 800	The student is able to describe	The student is able to describe	The student is unable to describe
Series Publications	use of the NIST SP 800 Series	use of the NIST SP 800 Series	use of the NIST SP 800 Series
	Publications accurately and in	Publications with some omis-	Publications
	detail	sions or inaccuracies	
Describe Security Architecture and	The student is able to describe	The student is able to describe	The student is unable to describe
Design, DIACAP IA Controls, and	Security Architecture and De-	Security Architecture and Design,	Security Architecture and Design
Virtualization	sign, DIACAP IA Controls, and	DIACAP IA Controls, and	DIACAP IA Controls, and
	Virtualization accurately and in	Virtualization with some	Virtualization
	detail	omissions or inaccuracies	
Recall and describe key concepts	The student is able to recall and	The student is able to recall and	The student is unable to recall
of Physical and Environmental	describe key concepts of Physical	describe key concepts of Physi-	or describe key concepts of
Security	and Environmental Security	cal and Environmental Security	Physical and Environmental
	accurately and in detail	with some omissions or inaccu-	Security
		racies	
Recall and describe key concepts of	The student is able to recall and	The student is able to recall and	The student is unable to recall
Cryptography and Cryptographic	describe key concepts of Cryptog-	describe key concepts of Cryp-	or describe key concepts of
Applications	raphy and Cryptographic Appli-	tography and Cryptographic Ap-	Cryptography or Cryptographic
	cations accurately and in detail	plications with some omissions	Applications
Describe the second from second from strikes		or inaccuracies	The state dense is some blacks describe
Describe the need for and function	The student is able to describe	The student is able to describe	The student is unable to describe
of Business Continuity and Disaster	the need for and function of	the need for and function of	the need for and function of
Recovery	Business Continuity and Disas-	Business Continuity and Disas-	Business Continuity and Disaster Recovery
	ter Recovery accurately and in detail	ter Recovery with some omissions or inaccuracies	Recovery
Recall applicable Laws, Regulations,	The student is able to recall	The student is able to recall	The student is unable to recall
Compliance, and Investigations and	applicable Laws, Regulations,	applicable Laws, Regulations,	applicable Laws, Regulations,
describe their application	Compliance, and Investigations	Compliance, and Investigations	Compliance, or Investigations or
describe men application	and describe their application	& describe their application with	describe their application
	accurately and in detail	some omissions or inaccuracies	describe then application
Demonstrate knowledge of	The student is able to demon-	The student is able to demon-	The student is unable to demon-
Application Security	strate knowledge of Application	strate knowledge of Application	strate knowledge of Application
- pp manon occur ny	Security accurately and in detail	Security with some omissions or	Security
	country accuratory and in actall	inaccuracies	
Demonstrate knowledge of	The student is able to demon-	The student is able to demon-	The student is unable to demon-
Operations Security	strate knowledge of Operations	strate knowledge of Operations	strate knowledge of Operations
-F	Security accurately and in detail	Security with some omissions or	Security
		inaccuracies	
Recall and describe special topics in	The student is able to recall	The student is able to recall	The student is unable to recall
cybersecurity	and describe special topics in	and describe special topics in	and describe special topics in
	cybersecurity accurately and in	cybersecurity with some omis-	cybersecurity
	detail	sions or inaccuracies	
Recognize professional responsibili-	The student is always able to	The student is occasionally able	The student shows no ability to
ties and make informed judgments	recognize professional responsi-	to recognize professional respon-	recognize professional responsi-
in computing practice based on	bilities and make informed	sibilities and make informed	bilities and make informed
legal and ethical principles	judgments in computing prac-	judgments in computing practice	judgments in computing prac-
-	tice based on legal and ethical	based on legal and ethical princi-	tice based on legal and ethical
	principles	ples, but not consistently	principles
Function effectively as a member or	The student is always able to	The student is often able to	The student is unable to function
leader of a team engaged in activi-	function effectively as a mem-	function effectively as a mem-	effectively as a member or leader
ties appropriate to the program's	ber or leader of a team engaged	ber or leader of a team engaged	of a team engaged in activities
discipline	in activities appropriate to the	in activities appropriate to the	appropriate to the program's
	pro-gram's discipline	pro-gram's discipline	discipline
Assist in the creation of an effective	The student is always able to	The student is often able to	The student is unable to assist in
project plan	effectively assist in the creation	assist in the creation of an	the creation of a project plan