## COURSE OUTCOME MATRIX COURSE SYLLABUS PART 2 of 3

Course Numb	er and Title   IT184 Security+			
Credit Hours	3			
Course Description	aspects of networking. Topics include	e: basic networking concepts, protocols, ne	rough vendor-independent security skill concepetworking devices, TCP/IP architecture, networlagnostic tools. This course may be used to hel	k security, encryption
Prerequisite(s and/or Corequisite(s)				
Required Textb	ooks/References/Course Materials:			

General Education Outcomes
Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language,
verbal language, and information technology).
Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations,
etc., as appropriate) (quantitative literacy and fluency).
Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Discuss and evaluate potential technology related ethical dilemmas and apply decision-making techniques to resolve them.
2	Demonstrate proficiency in selecting, implementing, and operating information technology solutions to meet project requirements.
3	Apply essential IT support skills in order to install, configure, secure, and troubleshoot operating systems, programs, networks, and pc hardware.
4	Prepared to take and pass industry standard certification exams
5	Develop the ability to use oral and written communication effectively with clients and other industry professionals.
6	Engage in teams to develop and/or implement IT-based project solutions
7	
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	Course Outcomes (CO)	Bloom's Domain	Program/	Written	Verbal	Information	Critical	Quantitative	Intercultural
		for CO (C, A, P), Category, and Level	Department Outcome(s)	Language	Language	Technology	Thinking	Literacy and Fluency	Competence
1	Identify commonly used default network ports	C-Remembering (1)	1,2,3,4	2	2	2	2	0	0
2	Implement wireless network in a secure manner	C-Applying (3)	1,2,3,4	2	2	2	2	0	0
3	Execute disaster recovery plans and procedures	C-Applying (3)	1,2,3,4,5,6	2	2	2	2	0	0
4	Analyze and differentiate among types of application attacks	C-Applying (3)	3,4	2	1	2	2	0	0
5	Analyze and differentiate among types of mitigation and deterrent techniques	C-Applying (3)	3,4,5	2	1	2	2	0	0
6	Implement assessment tools and techniques to discover security threats and vulnerabilities	C-Analyzing (4)	3,4,5	2	2	2	2	0	0
7	Explain the importance of application security	C-Understanding (2)	2,3,4,5	2	2	2	2	0	0
8	Explain the function and purpose of authentication services	C-Understanding (2)	3,4,5	2	2	2	2	0	0
9	Implement appropriate security controls when performing account management	C-Applying (3)	1,2,3,4,5,6	2	2	2	2	0	0
10	Use and apply appropriate cryptographic tools and products	C-Evaluating (5)	3,4	2	1	2	2	0	0

Bloom's Domain Legend C = Cognitive

A = Affective

P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable

0 = Not included

May 2021 Approved:

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