

# COURSE OUTCOME MATRIX

## COURSE SYLLABUS

### PART 2 of 3

Course Number and Title	IT172 Security Policies and Implementation Issues
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Credit Hours	3
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Course Description	This course provides students with the basic understanding of information security policy creation. Students will analyze how security policies help mitigate risks and support the business process within the seven domains of an IT infrastructure. They will learn to create a security policy process and use existing templates for implementation in an organization. Students will examine existing information security policies and frameworks and apply the correct one to an existing business risk or objective. They will also examine how incident response applies to security policies and why every incident has a security policy related to it. Finally, the students will gain exposure to IT policy compliance systems, and emerging technologies that are providing automation tools to implement, monitor, and report on information security policies organizationally.
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Prerequisite(s) and/or Corequisite(s)	IT170
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Required Textbooks/References/Course Materials:

Routing and Switching Pro		TestOut	TestOut	9781935080558
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	General Education Outcomes
1	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).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	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).
4	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.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Identify the role of an information systems security (ISS) policy framework in overcoming business challenges.	Cognitive Understanding (2)	1,2,4,5	2	1	2	2	0	0
2	Recognize the relationship between business drivers and information systems security policies.	Cognitive Analyzing (4)	1,2,4,5	2	1	2	2	0	0
3	Comprehend the relationship between regulatory compliance requirements and information system security policies.	Cognitive Understanding (2)	1,2,4,5	2	1	2	2	0	0
4	Analyze how security policies help mitigate risks and support business processes in various domains of a typical IT infrastructure.	Cognitive Analyzing (4)	1,2,4,5	2	1	2	2	0	0
5	Analyze issues related to security policy implementations and the keys to success.	Cognitive Analyzing (4)	1,2,4,5	2	1	2	2	0	0
6	Describe the components and basic requirements for creating a security policy framework.	Cognitive Applying (3)	1,2,4,5	2	1	2	2	0	0
7	Describe how to design, organize, implement, and maintain IT security policies.	Cognitive Applying (3)	1,2,4,5	2	1	2	2	0	0
8	Describe the different methods, roles, responsibilities, and accountabilities of personnel, along with the governance and compliance of a security policy framework.	Cognitive Applying (3)	1,2,4,5	2	1	2	2	0	0
9	Describe the different issues related to defining, tracking, monitoring, reporting, automating, and organizing compliance systems and emerging technologies.	Cognitive Applying (3)	1,2,4,5	2	1	2	2	0	0
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**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

Approved: May 2021  
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