

Cybersecurity for Curriculum Alignment  
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1. IT Fundamentals						
	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level?	Cross-cutting KSAs	Course Number/Name	Learning Outcome
a	Recognize the importance that cybersecurity plays in managing information and systems, and demonstrate an understanding of the way systems are vulnerable and can be manipulated.	Knowledge	3			
b	Install and maintain operating systems (OSs) (computer and mobile)	Ability	3			
c	Understand how to manage systems at an enterprise level	Knowledge	2			
d	Install, patch, and configure software in an enterprise environment including designating access rights	Ability	3	Data Management 1s, Networking 5a, Software Development 1h		
e	Install, upgrade, and configure hardware in an enterprise environment including technologies used to collect, analyze, record, and share information in business operations	Ability	3			
g	Identify and describe basic file types and demonstrate fundamental file management	Skill	2	Data Management 1r, Networking 5f, Software Development 1k		
h	Apply networking fundamentals to infrastructure systems	Skill	3			
i	Identify trending technologies such as AI, machine learning, and quantum computing, their fundamental architecture, and the impact on cybersecurity	Knowledge	2			
j	Explain the fundamentals of delivering information and applications using web architecture.	Knowledge	2			