

Networking KSAs for Curriculum Alignment

	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level?	Cross-cutting KSAs	Course Number/Name	Learning Outcome
a	Ability to install and configure software.	Ability	3	Cybersecurity 1d, Data Management 1s, Software Development 1h		
b	Explain the boot process (Boot loader, Kernel).	Knowledge	2			
c	Perform software patching (update drivers, security, software).	Skill	1			
d	Understand difference between a server vs. client machine.	Knowledge	2			
e	Compare operating system characteristics (Windows and Linux).	Knowledge	3			
f	Identify and describe basic file types and demonstrate fundamental file management.	Skill	2	Data Management 1r, Cybersecurity 1g, Software Development 1k		
g	Apply file management skills in Linux and Microsoft environments (CLI and GUI). (create files, delete files, make directories, remove directories, search text)	Ability	3			
h	Explain and compare an absolute path with a relative path (file hierarchy).	Knowledge	3			
i	Navigate a directory structure.	Ability	3			
j	Create, modify, organize files in CLI.	Skill	3			
k	Utilize system monitoring tools (e.g. task manager, top command).	Skill	2			
l	System Administration (Microsoft and Linux). (add users, add groups, configure password policies, modify user environments)	Ability	3			
m	Compare authorization vs authentication.	Knowledge	3			
n	Explain and compare Cloud Services (IaaS, SaaS, PaaS, XaaS).	Knowledge	2			