

CoLAB TalentReady IT Pathways Cyber Technologist KSAs for Curriculum Alignment 4. System Security/Access Control					
	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level?	Cross-cutting KSAs	Notes
a	Implement authorization control (e.g., least privilege, separation of duties, mandatory access, rule-based access control, role-based access control).	Skill	2	Cyber Security Specialist 5i	
b	Perform authentication control.	Skill	3		
c	Understand authentication techniques (e.g., Tokens, Common access card, Smart card, Multifactor authentication, Single sign-on, Biometrics, Personal identification verification card, Username, Federation, Transitive trust/authentication).	Knowledge	2	Cyber Security Specialist 5j	
d	Understand security implications of third party connectivity and access.	Knowledge	2	Cyber Security Specialist 5k	
e	Understand the role of physical security in the context of overall security posture.	Knowledge	2		
f	Understand cybersecurity of physical security and perimeter security (Proximity readers, Access list, Biometrics, Protected distribution (cabling)).	Knowledge	2		
g	Inventory devices and applications.	Knowledge	4		
h	Understand and manage Privileged Access Management.	Skill	4		