AA APPLIED SCIENCE– Cybersecurity & Data Privacy

PHILOSOPHY:

The AAS in Cybersecurity and Data Privacy prepares students for entry-level positions in cybersecurity and data privacy. Graduates will be prepared to become leaders in cybersecurity, with a solid understanding of security technology and privacy laws, preparing them to make knowledgeable and responsible decisions. The program also offers students a transfer option to four-year institutions

EXPECTED LEARNER OUTCOMES:

Students will:

1. Identify risks, assess threats, and develop effective countermeasures aimed at protecting organizational assets on-premises and in the cloud.
2. Prevent common security threats, including implementing firewall and VPN technologies and perimeter defenses, conducting vulnerability and penetration testing and scanning networked systems.
3. Discuss relevant laws, regulations, and frameworks as they apply to data privacy and cybersecurity operations.
4. Demonstrate the legal and technical aspects of a cybercrime investigation and the application of computer forensic tools
5. Relate the cultural and linguistic importance of the Chippewa Cree Tribe.

COURSE REQUIREMENTS:

Students will complete the GENERAL EDUCATION required classes and the PROFESSIONAL CORE degree requirements as outlined in the appropriate sections with these specific courses required for completion of Cybersecurity & Data Privacy.

GENERAL EDUCATION	
CAPP 120: Introduction to Computers (3 credits)	**15 CREDITS**
WRIT 101: College Writing I (3 credits)	
WRIT 201: College Writing II (3 credits)	
M 121: College Algebra (3 credits)	
NASX 100: Cree Language 1 (3 credits)	
PROFESSIONAL CORE	
CIS 141: Introduction to Cyber Security (3 Credits)	**50 CREDITS**
CIS 162: Operating Systems (4 Credits)	
CIS 164: Networking Fundamentals I (3 Credits)	
CIS 168: Firewalls and Network Security (3 Credits)	
CIS 220: Linux Administration I (3 Credits)	
CIS 165: Networking Fundamentals II (3 Credits)	
CIS 215: Microsoft Windows Server (3 Credits)	
CIS 219: Hardware Maintenance & Repair (4 Credits)	
CIS 223: Linux Administration II (3 Credits)	
CIS 241: Intro to Digital Forensics (3 Credits)	
CIS 243: Incident Response & Disaster Recovery (3 Credits)	
CIS 255: Cloud Foundations (3 Credits)	
CIS 261: Cybersecurity Law & Ethics (3 Credits)	
CIS 264: Ethical Hacking & Network Defense (3 Credits)	
CIS 270: Cybersecurity Infrastructure Configuration (3 Credits)	
CIS 271: Cybersecurity Prevention and Countermeasures (3 Credits)	
TOTAL CREDIT REQUIREMENTS	**65 CREDITS**

Stone Child College
Associate of Arts CYBERSECURITY & DATA PRIVACY

Required Courses:	Credits	Grade	Term
Fall – Year 1			
NASX 100 Cree Language	3		
WRIT 101 College Writing I	3		
CAPP 120 Intro to Computers	3		
M 121 College Algebra	3		
CIS 141 Introduction to Cyber Security	3		
Total credits	**15**		
Spring – Year 1			
CIS 162 Operating Systems	4		
CIS 164 Networking Fundamentals I	3		
CIS 168 Firewalls and Network Security	3		
CIS 220 Linux Administration I	3		
WRIT 201 College Writing II	3		
Total credits	**16**		
Fall – Year 2			
CIS 165 Networking Fundamentals II	3		
CIS 215 Microsoft Windows Server	3		
CIS 219 Hardware Maintenance & Repair	4		
CIS 223 Linux Administration II	3		
CIS 241 Intro to Digital Forensics	3		
Total credits	**16**		
Spring – Year 2			
CIS 243 Incident Response & Disaster Recovery	3		
CIS 255 Cloud Foundations	3		
CIS 261 Cybersecurity Law & Ethics	3		
CIS 264 Ethical Hacking & Network Defense	3		
CIS 270 Cybersecurity Infrastructure Configuration	3		
CIS 271 Cybersecurity Prevention and Countermeasures	3		
Total credits	**18**		
TOTAL DEGREE CREDITS	***65***		