

Navajo Technical University

Name: _____

ID#: _____

Associate of Applied Science Degree – Cybersecurity (63-64 Credit Hours)

Cybersecurity is a program that focuses on the protection of computer systems and networks from theft or damage to the software, hardware, or electronic data, as well as the disclosure of information. It includes instruction in information systems, security systems, information technology, cyber defense, data communication and networking, and digital defense. A student who studies cybersecurity will have the ability to think analytically, solve problems, and communicate precisely. Graduates of this program should be able to seek gainful employment as information security analysts, information security specialists, digital forensic examiners, information technology auditors, security systems administrators, penetration testers, security engineers, security architects, cryptography engineers, and security managers.

Semester ONE		Credits	Prerequisite	Semester/Transfer	Grade
MATH 1220	College Algebra	4	MATH 1215		
CYB 101	Introduction to Cybersecurity	3	BCIS 1115		
ENGL 1110	Composition I	3	ENGL 100		
BCIS 1115	Introduction to Computers	3			
SSC 100	College Success	1			
CS 101	Programming I	3	BCIS 1115		
Summer Session					
Semester TWO					
CYB 103	Introduction to Cryptography	3	MATH 1220		
PHYS 1230C	Algebra Based Physics I	4	MATH 1215		
CS 150	Programming II	3	CS 101		
NAVA XXX	NAVA1110, NAVA 2210 or NAVA 2230	3-4			
CYB 102	Cyber Ethics and Law	3	ENGL 1110		
Semester THREE					
CYB 202	Computer Network and Security	3	IT 222	Networking Certifications preferred: CompTIA Network+, CCNP, CCNA, Palo Alto PCNSA, etc.	
CYB 203	Cyber Attack and Defense	3	CYB 103		

CYB 204	Ethical Hacking and Legal Issues	3			
CYB 206	Introduction to Linux	3	BCIS 1115	Platform Certifications preferred: (one or more of) Microsoft, Linux, Solaris, etc.	
EE 205	Digital Control and Embedded Systems	3	CS 101 or EE 101		
Semester FOUR					
CYB 207	Introduction to Digital Forensics	3			
CYB 208	Operating Systems and Security	3	IT 218		
CYB 209	Principles of Database	3		CompTIA A+	
CYB 210	Introduction to Information Security	3		Security Certifications preferred: CompTIA Security+, GICSP, GCIH, etc.	
CYB 211	Application Security	3	IT 142		
TOTAL REQUIRED CREDIT HOURS		63-64			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		