

Navajo Technical University

Name: _____ ID#: _____

Associate of Applied Science – Cybersecurity (63-64)

Cybersecurity is a program that focuses on protection of computer systems and network from theft or damage to the software, hardware or electronic data, and 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 analyst, information security specialist, digital forensic examiner, information technology auditor, security systems administrator, penetration tester, security engineer, security architect, cryptography engineer, and security manager.

Semester ONE		Credits	Prerequisites	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			
CS 101	Programming I	3	BCIS 1115		
SSC 100	College Success Skills	1			
Semester TWO					
CYB 102	Cyber Ethics and Law	3	ENGL 1110		
PHYS 1230C	Algebra Based Physics I	4	MATH 1215		
CS 150	Programming II	3	CS 101		
NAVA XXX	NAVA 1110, 2210, or 2230	3-4			
CYB 103	Introduction to Cryptography	3	MATH 1220		
Semester Three					
CYB 202	Computer Network Security	3	IT 222		
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		
EE 205	Digital Control and Embedded Systems	3			
Semester FOUR					
CYB 207	Introduction to Digital Forensics	3			
CYB 208	Operating Systems and Security	3	IT 218		
CYB 209	Principles of Database	3			
CYB 210	Introduction to Information Security	3			
CYB 211	Application Security	3	IT 142		
TOTAL REQUIRED CREDIT HOURS		63-64			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 7/23/2026