

# Navajo Technical University

Name: \_\_\_\_\_ ID#: \_\_\_\_\_

## Associate of Science – Computer Science (62-63 Credits)

This program is designed to prepare students for entry-level jobs on the Navajo Nation. Students should be able to write sequential programs, design solutions to computer -related problems and develop a technical presentation. Students will be encouraged to continue towards bachelor's degrees in computer science.

Semester ONE		Credits	Prerequisite	Semester/Transfer	Grade
BCIS 1115	Introduction to Computers	3			
MATH1220	College Algebra	4	MATH1215		
CS 101	Programming I	3	MATH 1215		
CS 120	Computational Thinking	3	MATH 1215		
ENGR103	Introduction to Engineering	3	MATH 1215		
SSC 100	College Success	1			
Semester TWO					
NAVXXX	NAVA1110, NAVA 2210 or NAVA 2230	3-4			
ENGL 1110	Composition I	3	ENGL100		
CS 125	Scripting	3	MTH 113		
CS 150	Programming II	3	CS 101		
CS 175	Introduction to Computer Organization	3	MTH 113		
Semester THREE					
MATH 1240	Pre-Calculus	4	MTH 212		
ENGL 1120 or ENGL 2210	Composition II OR Professional and Technical Communication	3	ENGL 1110		
EE 330	Computer Organization and Assembly Language	3	CS 175		
CS 201	Data Structures I	3	CS 150		
CS 225	Comparative Programming Languages	3	CS 150		
Semester FOUR					
SCI XXX	Algebra-Based Physics I or General Biology or Introduction to Chemistry	4			
MATH 1510	Calculus I	4	MATH 1240		
CS 251	Data Structures II	3	CS 200		
HUM XXX	Humanities Elective	3			
<b>TOTAL REQUIRED CREDIT HOURS</b>		<b>62-63</b>			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 4/25/2022