

Navajo Technical University

Name: _____

ID#: _____

Certificate – Mathematics Requirements 36 Credits

Mathematics is a program that focuses on the analysis of quantities, magnitudes, forms, and their relationships, using symbolic logic and language. It includes instruction in algebra, calculus, functional analysis, geometry, number theory, logic, topology and other mathematical specializations. Mathematics is a versatile program that can be applied to almost any career. A student with a degree in mathematics will have an endless opportunity. A student who studies mathematics will have the ability to think analytically, solve problems, and communicate precisely. Graduates of this program should be able to seek gainful employment as a teacher, mathematician, statistician, financial analyst, consultant, engineer, physician, lawyer, and research analyst.

GENERAL EDUCATION REQUIREMENTS		Credits	Prerequisites	Semester/Transfer	Grade
ENGL 1110	Composition I	3	ENGL100 or satisfactory placement scores		
MATH 1220	College Algebra	4	MATH 1215		
NAV XXX	Dine Studies Course	3			
BCIS 1115	Introduction to Computers	3			
SSC 100	College Success	1			
MATHEMATICS CORE COURSES					
Semester ONE		Credits			
ENGR103	Introduction to Engineering	3			
MATH 1240	Pre-Calculus	4	MATH 1220		
MATH 1230	Trigonometry	4	MATH 1220		
Semester TWO					
MATH 1510	Calculus I	4	MATH 1230 & MATH 1240		
MATH 1350	Introduction to Statistics	3	MATH 1220		
PHYS 1230C	Algebra Based Physics I	4	MATH 1215		
TOTAL REQUIRED CREDIT HOURS		36			

*** Please check course descriptions for the appropriate prerequisite course(s).*

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 7/17/2027