# Navajo Technical University

Name: _____     ID#:_____

## Associate of Science – Mathematics (63-64 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

| Semester ONE | | Credits | Prerequisite | Semester/Transfer | Grade |
|---|---|---|---|---|---|
| MATH 1220 | College Algebra | 4 | MATH 1215 | | |
| ENGL 1110 | Composition I | 3 | ENGL100 | | |
| BCIS 1115 | Introduction to Computers | 3 | | | |
| SSC 100 | College Success Skills | 1 | | | |
| **Summer Session** | | | | | |
| MATH1230 | Trigonometry | 4 | MATH 1220 | | |
| MATH 1240 | Pre-Calculus | 4 | MATH 1220 | | |
| **Semester TWO** | | | | | |
| MATH 1510 | Calculus I | 4 | MATH 1230 & MATH 1240 | | |
| MATH 1350 | Introduction to Statistics | 3 | MATH1220 | | |
| PHYS 1230C | Algebra Based Physics I | 4 | MATH1215 | | |
| NAVA XXX | NAVA1110, NAVA 2210 or NAVA 223O | 3-4 | | | |
| **Semester THREE** | | | | | |
| MATH 1520 | Calculus II | 4 | MATH 1510 | | |
| MTH 306 | College Geometry | 3 | MATH 1510 | | |
| SOCI 1110 | Introduction to Sociology | 3 | ENGL100 | | |
| PSYC 1110 | Introduction to Psychology | 3 | | | |
| CFA XXX | Creative Writing XXX | 3 | | | |
| **Semester FOUR** | | | | | |
| MATH 2410 | Differential Equation | 4 | MATH 1520 | | |
| COMM 1130 | Public Speaking | 3 | ENGL 1110 or ENGL1210 | | |
| MATH 2530 | Calculus III | 4 | MATH 1520 | | |
| MTH 410 | Linear Algebra | 3 | MATH 1520 | | |
| **TOTAL REQUIRED CREDIT HOURS** | | **63-64** | | | |

| | Signatures | Date |
|---|---|---|
| Student: | | |
| Advisor: | | |
| Registrar: | | |
| Graduation Date: | | |

*Updated 7/14/2024*