



NORTHERN NEW MEXICO COLLEGE

DEGREE SHEET / 2016-2017 CATALOG

Student name:

Eagle ID:

Eagle Email:

Phone:

AS Mathematics

The curriculum of the AS Mathematics degree prepares students with the mathematical courses (Calculus I, II, II, Linear Algebra, Ordinary Differential Equations and/or Numerical Analysis) needed in any scientific and engineering discipline. The AS Mathematics degree also articulates with the BS Mathematics degree.

GENERAL EDUCATION REQUIREMENTS (38 CR)	SEMESTER	GRADE
AREA I: COMMUNICATIONS (9 CR)		
ENG 111 English Composition I (3) Prerequisites: ENG 109 or adequate score on the Course Placement Evaluation		
SPCH 130 Public Speaking (3) Prerequisite: ENG 109 or adequate score on the Course Placement Evaluation		
Choose ONE of the following two courses:		
ENG 112 English Composition II (3) Prerequisite: ENG 111		
ENG 116 Technical Writing (3) Prerequisite: ENG 111		
AREA II: MATHEMATICS (3 CR)		
MATH 150 College Algebra (3)		
AREA III: LABORATORY SCIENCES (8 CR)		
AREA IV: SOCIAL/BEHAVIORAL SCIENCES (6-9 CR)*		

AREA V: HUMANITIES and FINE ARTS (6-9 CR)*		
AREA VI: FIRST YEAR EXPERIENCE (3 CR)		
FYE 101 Freshman Year Experience (3)		
PROGRAM REQUIREMENTS (25 CR)		
MATH 145 Introduction to Probability and Statistics (3)		
MATH 155 Trigonometry and Precalculus (4)		
MATH 162 or 162E Calculus I (4)		
MATH 163 or 163E Calculus II (4)		
MATH 264 Calculus III (4)		
MATH 294 Introduction to Linear Algebra with Applications (3)		
Choose either MATH 296 Introduction to Differential Equations (3) OR MATH 275 Introduction to Numerical Computing (3)		
TOTAL 63 CR		
ADVISOR APPROVAL	DATE	

SUGGESTED SEQUENCE OF COURSES

First Semester (15 crs)

FYE 101 First Year Experience (3)
 ENG 111 English Composition I (3)
 MATH 145 Introduction to Probability and Statistics (3)
 MATH 150 College Algebra (3)
 HUM/ART/SOC/PSY (3)

Second Semester (18 crs)

SPCH 130 Public Speaking (3)
 MATH 155 Trigonometry and Precalculus (4)
 MATH 162 Calculus I (4) - Need to take as co-requisite with MATH 155 with advisor's permission
 CHEM 121/L or GEOL 101/L or ASTR 110/L or PHYS 121/L or BIOL 110/L (4)
 HUM/ART/SOC/PSY (3)

Third Semester (17 crs)

ENG 112 or ENG 116 (3)
 MATH 163 Calculus II (4)
 MATH 294/314 Linear Algebra (3)
 CHEM 122/L or GEOL 102/L or ASTR 110/L or PHYS 122/L or BIOL 110/L (4)
 HUM/ART/SOC/PSY – Second language suggested (3)

Fourth Semester (16 crs)

MATH 264 Calculus III (4)

MATH 275/375 Introduction to Numerical Computing (3)
 OR
 MATH 296/316 Ordinary Differential Equations (3)

HUM/ART/SOC/PSY (3)
 HUM/ART/SOC/PSY (3)

EDUCATIONAL PLANNING FORM (Semester)

FALL SEMESTER	SPRING SEMESTER	SUMMER

Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
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