



DEGREE SHEET / 2018-2019 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) <i>Pre-requisites: ENG 109 or adequate score on the Course Placement Evaluation</i>		
SPCH 130 Public Speaking (3) <i>Pre-requisite: ENG 109N or adequate score on the Course Placement Evaluation</i>		
Choose ONE of the following two courses:		
ENG 112 English Composition II (3) <i>Prerequisite: ENG 111</i>		
ENG 116 Professional and Technical Communication (3) <i>Prerequisite: ENG 111</i>		
AREA II: MATHEMATICS (3 CR)		
MATH 150 College Algebra (3) <i>Pre-requisite: MATH 130 or MATH 130L</i>		
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 Standing Only (3)		
PROGRAM REQUIREMENTS (25 CR)		
MATH 145 Introduction to Probability and Statistics (3) <i>Pre-requisite: MATH 130 or MATH 130L</i>		
MATH 155 Trigonometry and Pre-calculus (4) <i>Pre-requisite: MATH 150</i>		
MATH 162 or 162E Calculus I (4) <i>Pre-requisite: MATH 155</i>		
MATH 163 or 163E Calculus II (4) <i>Pre-requisite: MATH 162 or MATH 162E</i>		
MATH 264 Calculus III (4) <i>Pre-requisite: MATH 163</i>		
MATH 294 Introduction to Linear Algebra with Applications (3) <i>Pre-requisite: MATH 162 or MATH 162E</i>		
Choose either MATH 296 Introduction to Differential Equations (3) <i>Pre-requisite MATH 163 or MATH 163E</i> OR MATH 275 Introduction to Numerical Computing (3) <i>Pre-requisite MATH 163 or MATH 163E</i>		
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
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units