MATHEMATICS AND STATISTICS

BACHELOR OF SCIENCE IN MATHEMATICS

Student interested in Mathematics for Teacher Licensure, click here.

Curriculum

The matrix below is a sample plan for all coursework required for this program.

Freshman

Fall	Credits
ENGL 1013 Composition I [1]	3
USHG 1XXX U.S. History and Government [1]	3
MATH 1001 Orientation to Mathematics	1
MATH 2914 Calculus I	4
Elective [3]	4
Total Hours	**15**

Spring	Credits
ENGL 1023 Composition II [1]	3
SS 1XXX Social Science Courses [1]	3
MATH 2703 Discrete Mathematics	3
MATH 2924 Calculus II	4
Elective [3]	2
Total Hours	**15**

Sophomore

Fall	Credits
FAH 1XXX Fine Arts and Humanities Courses [1]	3
PHYS 2114 Calculus-Based Physics I and PHYS 2000 Physics Laboratory I	4
MATH 2934 Calculus III	4
MATH 3003 Foundations of Advanced Mathematics	3
Elective [3]	1
Total Hours	**15**

Spring	Credits
SS 1XXX Social Science Courses [1]	3
COMS 2803 Programming in C	3

Spring	Credits
PHYS 2124 Calculus-Based Physics II and PHYS 2010 Physics Laboratory II	4
MATH 3243 Differential Equations I	3
Elective [3]	2
Total Hours	**15**

Junior

Fall	Credits
FAH 1XXX Fine Arts and Humanities Courses [1]	3
STAT 3153 Applied Statistics	3
MATH 4003 Linear Algebra I	3
Elective [3]	6
Total Hours	**15**

Spring	Credits
SFHS 1XXX Social Sciences/Fine Arts/Humanities/Communication Courses [1]	3
MATH 3203 Introduction to Analysis	3
MATH 4123 Mathematical Modeling	3
Elective [3]	6
Total Hours	**15**

Senior

Fall	Credits
MATH 4033 Abstract Algebra I	3
MATH Elective [2]	3
Elective [3]	9
Total Hours	**15**

Spring	Credits
MATH 4971 Mathematics Senior Seminar	1
MATH Elective [2]	3
Elective [3]	11
Total Hours	**15**

[1]See appropriate alternatives or substitutions in "General Education Requirements".

[2]3000 - 4000 level math elective. MATH 3033 Methods of Teaching Elementary Mathematics and MATH 4703 Special Methods in Mathematics may not be used to satisfy this requirement. MATH 4993 Special Problems in Mathematics may not be used without prior approval of the department head.

[3]At least 40 of the total hours required for graduation must be 3000-4000 level courses.