MATHEMATICS: SECONDARY TEACHER CERTIFICATION, BS

Example Plan of Study

Finish in Four Plan of Study

The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
UNIV 1111	First Year Seminar	1
ENGL 1113	Composition I	3
MATH 2144	Calculus I (Q)	4
SMED 1012	Inquiry Approaches to Teaching	2
General Education/Elective		6
	Hours	**16**
Spring		
ENGL 1213	Composition II	3
MATH 2153	Calculus II (Q)	3
General Education/Elective		9
	Hours	**15**
Sophomore		
Fall		
MATH 2163	Calculus III	3
MATH 3013	Linear Algebra (Q)	3
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
General Education/College/Department/Concentration		6
	Hours	**16**
Spring		
MATH 2233	Differential Equations	3
MATH 3613	Introduction to Abstract Algebra	3
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
SMED 3013	Knowing and Learning in K-12 Education	3
General Education/College/Department/Concentration		3
	Hours	**16**
Junior		
Fall		
MATH 3303	Advanced Perspectives on Secondary Mathematics	3
MATH 4033	History of Mathematics (Recommended)	3
CIED 3313	Field Experience in the Secondary Schools	3
General Education/College/Departmental/Major		9
	Hours	**18**
Spring		
MATH 3933	Introduction to Mathematical Research	3
MATH 4663	Combinatorics	3
SMED 4003	Teaching Fundamental Concepts of Mathematics	3
General Education/College/Departmental/Major		6
	Hours	**15**
Senior		
Fall		
MATH 4403	Geometry	3
MATH 4023	Introduction to Analysis	3
SMED 4053	Teaching Geometry in the Secondary School	3
SMED 4023	Advanced Field Placement in Mathematics and Science	3
General Education/College/Departmental/Major		3
	Hours	**15**
Spring		
CIED 4720	Internship in the Secondary Classroom	6
SMED 4723	Senior Seminar in Secondary Mathematics and Science Education	3
	Hours	**9**
	Total Hours	**120**

1

Speak with academic advisor about saving General Education electives and Humanities (H) for Upper-division courses with International (I) and Diversity (D) dimensions.