SECONDARY EDUCATION: MATHEMATICS, 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		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH 2144	Calculus I (Q)	4
Course designated (DH)		3
SMED 1012	Inquiry Approaches to Teaching	2
UNIV 1111	First Year Seminar	1
	Hours	**16**
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course designated (S)		3
MATH 2153	Calculus II (Q)	3
CS 1103 or CS 1113	Computer Programming (Q) or Computer Science I (Q)	3
	Hours	**15**
Sophomore		
Fall		
Elective or Foreign Language		
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
EDHS 3111	Preparing for Your Future Career	1
SPED 3202	Educating Exceptional Learners	2
3 hours General Education (G)		3
	Hours	**16**
Spring		
SMED 3013	Knowing and Learning in K-12 Education	3
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
Elective or Foreign Language		
MATH 2233	Differential Equations	3
MATH 3613	Introduction to Abstract Algebra	3
3 Hours General Education (H)		3
	Hours	**16**
Junior		
Fall		
MATH 3303	Advanced Perspectives on Secondary Mathematics	3
STAT 4013 or STAT 4053	Statistical Methods I (Q) or Statistical Methods I for the Social Sciences (Q)	3
Select 3 hours of 4000-level or higher MATH or STAT 4203 or CS 3653, excluding 0-ending or Thesis courses.		3
3 hours elective		3
CIED 3313	Field Experience in the Secondary Schools	3
	Hours	**15**
Spring		
SMED 4003	Teaching Fundamental Concepts of Mathematics	3
MATH 3933	Introduction to Mathematical Research	3
MATH 4663	Combinatorics	3
Course designated (Q, H, N, S, D, G or F)		3
Select 3 hours of 4000-level MATH or STAT or upper-division CS or PHYS		3
CIED 4133	Introduction to K-12 English Language Learners	3
	Hours	**18**
Senior		
Fall		
SMED 4053	Teaching Geometry in the Secondary School	3
SMED 4023	Advanced Field Placement in Mathematics and Science	3
MATH 4403	Geometry	3
MATH 4023	Introduction to Analysis	3
3 hours Elective		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**