MATHEMATICS, BS - GRADES 7-12 MATHEMATICS EDUCATION CONCENTRATION

Course Sequencing

First Year

Fall

		Hours
UNIV 1101	University Seminar I	1
MATH 2413	Calculus I	4
POLS 2305	U.S. Government and Politics	3
ENGL 1301	Writing and Rhetoric I	3
EDUC 1354	Child Growth and Development	3
Creative Arts Core Requirement		3
	Hours	**17**

Spring

		Hours
UNIV 1102	University Seminar II	1
MATH 2414	Calculus II	4
ENGL 1302 or COMM 1311	Writing and Rhetoric II or Foundation of Communication	3
POLS 2306	State and Local Government	3
American History Core Requirement		3
Language, Philosophy & Culture Core Requirement		3
	Hours	**17**

Second Year

Fall

		Hours
COSC 1330	Programming for Scientists, Engineers, and Mathematicians	3
MATH 2415	Calculus III	4
PHYS 2425	University Physics I	4
MATH 3313	Foundations of Number Theory	3
EDUC 2211	Foundations of Education	2
	Hours	**16**

Spring

		Hours
PHYS 2426	University Physics II	4
MATH 3315	Differential Equations	3
MATH 3314	Foundations of Real Numbers	3
American History Core Requirement		3
SPED 3310	Individual Differences in Schools and Communities	3
	Hours	**16**

Third Year

Fall

		Hours
MATH 3311	Linear Algebra	3
MATH 3312	College Geometry	3
Math Upper Elective		3
READ 3353 or READ 3352	Content Area Reading for Secondary Students or Content Area Reading for Elementary Students	3
EDUC 3211	Culturally and Linguistically Responsive Teaching	2

		Hours
Elective (to meet 120 hrs)		3
	Hours	**17**

Spring

		Hours
MATH 3342	Applied Probability and Statistics	3
MATH 4306	Modern Algebra	3
SMTE 4370	Mathematics Education Topics I	3
Math Upper Elective		3
BIEM 4357	Methods of Teaching English as a Second Language	3
	Hours	**15**

Fourth Year

Fall

		Hours
EDUC 4305	Seminar I	3
IDET 3210	Design and Development of Technology-Integrated Learning Environments	2
Elective (to meet 120 hrs)		3
Elective (to meet 120 hrs)		3
Elective (to meet 120 hrs)		3
	Hours	**14**

Spring

		Hours
EDUC 4694	Clinical Teaching	6
EDUC 4395	Seminar II	3
	Hours	**9**
	Total Hours	**121**