B.A. in Mathematics with Teacher Certification (Secondary)

Code	Title	Semester Hours
BA in Mathematics with Teacher Certification Degree Plan (120 hours)		
Core Requirements (42 hours)		
First Year Seminar		3
FYE 1301	First Year Seminar	
Freshmen Composition I		3
EN 1311	Rhetoric and Composition	
or EN 1313	Rhetoric and Composition for International Students	
Literature		3
Any EN 23XX literature course		
History		3
Any 1000, 2000, or 3000-level HS course		
Social Science		6
Select two from the following: BA 1310, CJ 1301, CPH 1301, EC 2301, EC 2303, HU 3300, HU 3303, PO 1311, PO 1312, PO 1314, PS 1301, PS 2310, PS 2353, PS 2355, PS 2363, PS 2337, SC 1311, SC 2321, SC 2371, 3 hrs. of Communication Studies (CM 1341, CM 2333, CM 2334)		
Mathematics		
Satisfied by MT 2412 in the courses required for this major.		
Natural or Physical Sciences		3
Select one: BL 1301, BL 1302, BL 3311, CH 1303, CH 1401, CH 1402, ES 1300, ES 1301, ES 1302, ES 1303, ES 1304, ES 1305, ES 1373, PY 1300, PY 1310, PY 1401, PY 1402		
Fine Arts		3
AR 1300, AR 1301, AR 1311, AR 1312, AR 2301, AR 2321, AR 2361, AR 2362, AR 3331, AR 3351, AR 3381, AR 3392, 3 hrs. DM, 3 hrs. of MU		
Foreign Language and International Engagement		6
This requirement is satisfied through one of four ways: (1) One 3-hour course in any language at the 3000 level or above, with a grade of B or better; (2) Two courses (1311 and 1312) in a language not previously studied; (3) Two courses (2311 and 2312) in a language previously studied at the high school or college level; (4) Qualifying scores on an AP or CLEP exam, or both the ACTFL OPI and WPT exams		
Philosophy - Self		3
PL 1301	Intro to Philosophy	
Philosophy - Ethics		3
PL 2301	Foundations of Ethics	
Theology - God		3
TH 1301	Introduction to Theology	
Intermediate Theology		3
Any TH 33xx course		
Mathematics Major Courses (35 hours)		
MT 2101	Mathematics Working Seminar I	1
MT 2102	Mathematics Working Seminar II	1
MT 2103	Mathematics Working Seminar III	1
MT 2412	Calculus I	4
MT 2413	Calculus II	4
MT 2323	Discrete Math Structures	3
MT 3324	Linear Algebra	3
MT 3321	Introduction to Modern Algebra	3
MT 4331	Probability Theory	3
MT 4332	Statistics	3
MT 4341	Modern Geometry	3

Advanced MT Electives MT 3xxx or 4xxx		3
Advanced MT Electives MT 3xxx or 4xxx		3
Teacher Certification Courses (27 hours)		
ED 3302	The American Secondary School	3
ED 2330	Teaching Diverse Populations	3
ED 3350	Reading-- Teaching Reading in the Secondary Content Areas	3
ED 3355	Educational Technology	3
ED 3361	Adolescent Development in the School Setting	3
ED 3362	Teaching-Learning and Secondary Methods	3
ED 4388	Professional Development Seminar-Secondary	3
ED 4689	Student Teaching-Secondary	6
Electives (16 hours)		**16**
An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors.		
Total Semester Hours		120

This is a recommended degree plan subject to changes. Please meet with your advisor on a regular basis.

First Year

Fall	Semester Hours	Spring	Semester Hours
FYE 1301	3	Fine Arts	3
EN 1311	3	Literature	3
MT 2412	4	Social Science	3
MT 2101	1	MT 2323	3
Natural or Physical Sciences	3	MT 2413	4
	14		16

Second Year

Fall	Semester Hours	Spring	Semester Hours
Foreign Language I	3	Foreign Language II	3
PL 1301	3	TH 1301	3
MT 4331	3	MT 3321	3
Advanced Math	3	MT 3324	3
Elective(s)	4	MT 2102	1
		Elective	3
	16		16

Third Year

Fall	Semester Hours	Spring	Semester Hours
PL 2301	3	Advanced Theology	3
MT 4332	3	MT 4341	3
Advanced Math	3	MT 2103	1
ED 3302	3	ED 2330	3
ED 3355	3	ED 3361	3
Elective	3	Elective	3
	18		16

Fourth Year

Fall	Semester Hours	Spring	Semester Hours
History	3	ED 4388	3
Social Science	3	ED 4689	6
ED 3350	3		
ED 3362	3		

Elective	3	
	15	9

Total Semester Hours 120