

# B.S. in Mathematics

Code	Title	Semester Hours
<b>BS in Mathematics with minor in SET Degree Plan (120 hours)</b>		
<b>Core Requirements (42 hours)</b>		
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, ED 2330, 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		4
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		
<b>Mathematics Major Courses (42 hours)</b>		
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 2414	Calculus III	4
MT 2323	Discrete Math Structures	3
MT 3324	Linear Algebra	3
MT 3321	Introduction to Modern Algebra	3
MT 3392	Elementary Math Analysis	3
MT 4331	Probability Theory	3
MT 4332	Statistics	3
MT 4395	Senior Mathematics Seminar	3

Advanced MT Electives - select 2 courses of MT 3xxx or 4xxx with advisor consultation 6

**Minor (18 hours)**

Required Science Minor 18

**Electives (21 hours)** 21

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 124

*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 MT 2413	4
MT 2101		1 MT 2323	3
MT 2412		4 (Intro to Minor 2)	3
(Intro to Minor 1)		3 Literature	3
EN 1311		3 Elective	3
Social Science		3	
	17		16

**Second Year**

Fall	Semester Hours	Spring	Semester Hours
MT 4331		3 MT 2102	1
(Intermed Minor 1)		3 MT 2414	4
PL 1301		3 MT 3324	3
Foreign Language I		3 (Adv Minor 1)	3
Elective		3 TH 1301	3
		Foreign Language II	3
	15		17

**Third Year**

Fall	Semester Hours	Spring	Semester Hours
MT 3392		3 MT 2103	1
MT 4332		3 MT 3321	3
(Adv Minor 2)		3 MT 33xx/43xx Adv Elective	3
PL 2301		3 History	3
Elective		3 Advanced Theology	3
	15		13

**Fourth Year**

Fall	Semester Hours	Spring	Semester Hours
MT 4395		3 Social Science	3
MT 33xx/43xx Adv Elective		3 Elective	3
(Adv Minor 3)		3 Elective	3
Fine Arts		3 Elective	3
Elective		3	
	15		12

Total Semester Hours 120