

St. Mary's University

BA in Mathematics with Teacher Certification Degree Plan – 120 Hours

The maximum credit transferable from a junior college, or any combination of junior colleges, is 66 semester hours.

St. Mary's Core (42 hours)

Requirements	Texas Common Course Equivalency	Hours Required
— First Year Experience	Not required for transfer students accepted with 30 or more credit hours however a student may need to take three (3) additional hours of elective credits in order to meet the required hours for this degree.	3
— Freshmen Composition I	ENGL 1301	3
— Literature	ENGL 1302 or any ENGL 23XX Literature course	3
— History	Any HIST 13XX or 23xx course	3
— Social Science	Any two of the following courses: BUSI 1301, CRIJ 1301, ECON 2301, ECON 2302, GOVT 2305, GOVT 2306, PSYC 1301, PSYC 2306, PSYC 2316, PSYC 2314, SOCI 1301, SOCI 1306, SOCI 2319, SPCH 1311, SPCH 1315, SPCH 1321, SPCH 2335	6
— Mathematics	MATH 2413	
— Natural or Physical Sciences	Select one: BIOL 1308, BIOL 1309, CHEM 1411, CHEM 1412, GEOL 1301, GEOL 1303, GEOL 1401, GEOL 1403, GEOG 1301, GEOL 1304, GEOL 1305, GEOL 1404, GEOL 1405, PHYS 1305, PHYS 1401, PHYS 1402.	3
— Fine Arts	Any 3-credit hour Fine Arts course from the following: ARTS, MUSI, DRAM	3
— Foreign Language	Two courses (1411 and 1412) in a language not previously studied or two courses (2311 and 2312) in a language previously studied	6
— Philosophy – Self	PHIL 1301	3
— Philosophy – Ethics	PHIL 2306	3
— Theology	Theology courses from other universities may be transferable with the approval of the Theology Department	3
— Intermediate Theology	Theology courses from other universities may be transferable with the approval of the Theology Department	3

Mathematics Major Courses	Texas Common Course Equivalency	Hours Required
— MT 2101 – Mathematics Working Seminar I	No equivalent	1
— MT 2102 – Mathematics Working Seminar II	No equivalent	1
— MT 2103 – Mathematics Working Seminar III	No equivalent	1
— MT 2412 – Calculus I	MATH 2413	4
— MT 2413 – Calculus II	MATH 2414	4
— MT 2323 – Discrete Math Structures	MATH 2305	3
— MT 3324 – Linear Algebra	No equivalent	3
— MT 3321 – Introduction to Modern Algebra	No equivalent	3
— MT 4331 – Probability Theory	No equivalent	3

___	MT 4332 – Statistics	No equivalent	3
___	MT 4341 – Modern Geometry	No equivalent	3
___	Advanced MT Electives	No equivalent	6
Teacher Certification (27 hours)			
___	ED 3302 – The American Secondary School	No equivalent	3
___	ED 3321 – Instructional Planning, Assessment and Evaluation	No equivalent	3
___	ED 3355 – Educational Technology	No equivalent	3
___	ED 3361 – Adolescent Development in the School setting	No equivalent	3
___	ED 4388 – Professional Development Seminar- Secondary	No equivalent	3
___	ED 4630 – Teacher Residency I	No equivalent	6
___	ED 4635 – Teacher Residency II	No equivalent	6

Electives (6 hours)

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 for this degree

120

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