

St. Mary's University
BS in Engineering Science with Pre-Law Concentration– 128 Hours

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

St. Mary's Core (41 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	ENGR 1201. The remaining 4 hours must be taken at St. Mary's.	6
— Mathematics	MATH 2413	
— Natural or Physical Sciences	PHYS 2425 or PHYS 2325 and PHYS 2125	4
— Fine Arts	ENGR 1304	3
— 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

Engineering Science (Pre-Law) Major Courses

Requirements for this major:	Texas Common Course Equivalency	Hours Required
— EG 1194 – Python Programming for Engineering Lab	ENGR 2304 or COSC 1336 or COSC 1436	1
— EG 1294 – Python Programming for Engineering	ENGR 2304 or COSC 1336 or COSC 1436	3
— EG 2343 – Statics	ENGR 2301	3
— EG 2313 – Fundamentals of Logic Design	ENGR 2306	3
— EG 2113 – Logic Design Lab	ENGR 2106	1
— EG 3101 – Engineering Analysis and Design Workshop I	No equivalent	1
— EG 3102 – Engineering Analysis and Design Workshop I	No equivalent	1
— EG 3191 – Data Visualization and Analytics Lab	No equivalent	1
— EG 3391 – Data Analytics and Information Engineering	No equivalent	3
— EG 4101 – Engineering Design and Analysis Workshop III	No equivalent	1

—	EG 4303 – Special Topics I	No equivalent	3
—	EG 4304 – Special Topics II	No equivalent	3
—	MT 2413 – Calculus II	MATH 2414	4
—	MT 3303 – Probability and Statistics for Engineers	No equivalent	3
—	MT 2317 – Differential Equations	MATH 2320	3
—	MT/SCI Elective	No equivalent	4
—	EG/ SCI Elective	No equivalent	21
—	First Year of Law School	St. Mary's Law School	29

Total Semester hours for this degree: 128

Updated 08/04/2026