

St. Mary's University
BS in Engineering Management– 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 Management Major Courses

Requirements for this major:	Texas Common Course Equivalency	Hours Required
— SET Elective I	BIOL 1406, CHEM 1411, MATH 2415, or PHYS 2426	4
— SET Elective II	No equivalent	3
— MT 2413 – Calculus II	MATH 2414	4
— MT 2317 – Differential Equations	MATH 2320	3
— MT 2318 – Applied Linear Algebra	MATH 2318	3
— MT 2323 – Discrete Math Structures	MATH 2323	3
— MT 3303 – Probability & Statistics for Engineers	No equivalent	3
— 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 3101 – Engineering Design & Analysis Workshop I	No equivalent	1

—	EG 3102 – Engineering Design & Analysis Workshop II	No equivalent	1
—	EG 4101 – Engineering Design & Analysis Workshop III	No equivalent	1
—	EG 4301 – Senior Design Project I	No equivalent	3
—	EG 4302 – Senior Design Project II	No equivalent	3
—	EG 3395 – Industrial Statistics and Design of Experiments	No equivalent	3
—	EG 3191 – Data Visualization and Analytics Lab	No equivalent	1
—	EG 3396 – Simulation	No equivalent	3
—	EG 3192 – Simulation Lab	No equivalent	1
—	EG 3394 – Lean Production Systems	No equivalent	3
—	EG 3398 – Six Sigma Quality	No equivalent	3
—	EG 4193 – Optimization and Decision Analytics Lab	No equivalent	3
—	EG 4395 – Stochastic Modeling and Risk Analysis	No equivalent	3
—	EG 4196 – Supply Chain and Logistics Engineering Lab	No equivalent	3
—	EG 4396 – Supply Chain and Logistics Engineering	No equivalent	3
—	Project Management Elective	No equivalent	3
—	Engineering Management Electives	No equivalent	9
—	AC 2301 – Financial Accounting	ACCT 2301	3
—	BA 3351 – Legal Environment of Business	No equivalent	3
—	MK 3310 – Principles of Marketing	No equivalent	3
—	MN 3330 – Organizational Behavior	No equivalent	3

Total Semester hours for this degree: 128

Updated 11/19/2025