

St. Mary's University

BA in Environmental Science 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 (36 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 1342 or 1442	
— Natural or Physical Sciences	GEOL 1301 or GEOL 1303 or GEOL 1401 or GEOL 1403 or ENVR 1301 or GEOL 1304 or GEOL 1305 or GEOL 1404 or GEOL 1405	
— Fine Arts	Any 3-credit hour Fine Arts course from the following: ARTS, MUSI, DRAM	3
— Foreign Language and International Engagement	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	No equivalent	3
— Intermediate Theology	No equivalent	3

Environmental Science Major Courses (51 hours)

Requirements	Texas Common Course Equivalency	Hours Required
— BL 1401- General Biology for Majors I	BIOL 1406	4
— BL 1402 - General Biology for Majors II	BIOL 1407	4
— CH 1401 – General Chemistry I	CHEM 1411 or CHEM 1311 and CHEM 1111	4
— ES 1100 – General Geology Lab	GEOL 1101 or GEOL 1401 or GEOL 1403	1
— ES 1173 – Environmental Science Lab	ENVR 1101 or GEOL 1105 or 1404 or GEOL 1405	1
— ES 1300 – General Geology	GEOL 1301 or GEOL 1303 or GEOL 1401 or GEOL 1403	3
— ES 1373 – Introductory Environmental Science	ENVR 1301 or GEOL 1304 or GEOL 1305 or GEOL 1404 or GEOL 1405	3
— ES 2300 – Global Change	No equivalent	3

___	ES 2320 – General Ecology	No equivalent	3
___	ES 2120 – General Ecology Lab	No equivalent	1
___	ES 2325 – Energy Resources and the Environment	No equivalent	3
___	ES 2345 – Experimental Design	No equivalent	3
___	ES 2350 – Environmental Geology	No equivalent	3
___	ES 2150 – Environmental Geology Lab	No equivalent	1
___	ES 3110 – Environmental Science Seminar I	No equivalent	1
___	ES 3120 – Environmental Science Seminar II	No equivalent	1
___	ES 3310 – Scientific and Technical Writing	No equivalent	3
___	ES 3320 – Environmental Policy and Regulation	No equivalent	3
___	ES 3330 – Introduction to Geographic Information System	No equivalent	3
___	MT 2303	MATH 1342 or MATH 1442	3
___	General Electives	An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors.	3

Teacher Cert Courses (30 hours)

___	ED 3302 – The American Secondary School	No equivalent	3
___	ED 2330 – Teaching Diverse Populations	EDUC 2301	3
___	ED 3355 – Educational Technology	No equivalent	3
___	ED 3321 – Instructional Planning, Assessment and Evaluation	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	3
___	ED 4635 – Teacher Residency II	No equivalent	3

Total hours for this degree

120

Updated 11/19/2025