

## 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 <b>two</b> 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 1411or 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 Chance	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**