

## 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                                | EDUC 2301 and select one from the following: 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 (27 hours)

|   |                                                             |               |   |
|---|-------------------------------------------------------------|---------------|---|
| — | ED 2301 – Intro to Teaching in American Schools             | EDUC 1301     | 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 |
| — | <b>Electives</b> (3 hours)                                  |               | 3 |

**Total hours for this degree**

**120**

**Updated 07/30/2026**