**B.S. – ENVIRONMENTAL STUDIES**

SOIL SCIENCE AND HYDROLOGY CONCENTRATION

All Environmental Studies majors must earn a **2.0 GPA** in all science and math courses taken at Stockton

**Core Course Requirements: 80 credits**

Required Cognate Classes (5 credit courses)

- BIOL 1200/05 Cells & Molecules w/lab **OR**
- BIOL 1400/05 Biodiversity and Evolution w/lab
- CHEM 2110/15 Chemistry I w/lab **AND**
- CHEM 2120/25 Chemistry II (Organic) w/lab **OR**
- CHEM 2140 Chemistry IV w/lab
- GEOL 2101/05 Physical Geology w/lab (4) **OR**
- PHYS 2200/25 Physics 1 w/lab (grad school pref) (6) **OR**
- PHYS 2110/15 Physics for Life Sciences w/lab (5)

*It is recommended that students take both Physical Geology and Physics*

ENVL majors must earn a minimum grade of C in ENVL 1100, 2100/05, 2200/05, 2400, 2600, 4300/05, 4600, +4800/4900

Choose 8 credits from the following:

- ENVL 3241 Pollution and Regulation **OR**
- ENVL 4446 Remediation and Biotechnology
- ENVL 3302 Geographical Information Systems
- ENVL 3434 Watershed Hydrology **OR**
- ENVL 3435 Groundwater Hydrology
- ENVL 3432 Soil Science (4)
- ENVL 3434 Watershed Hydrology **OR**
- ENVL 3435 Groundwater Hydrology
- ENVL 4300/05 Environmental Issues (seniors only) (4)
- ENVL 4800/4900 Sr. Project/Internships (1-4)

**General Studies Requirements: 48 credits Total**

32 Credits in ‘G’ Category Courses

No more than 12 credits in any one “G” category may be applied towards the BS degree

- General Interdisciplinary (GEN) – up to 4 credits
- General Integration & Synthesis (GIS) – up to 4 credits*
- General Arts and Humanities (GAH) – up to 8 credits
- General Natural Science & Math (GNM) – up to 8 credits
- General Social Science (GSS) – up to 8 credits

*Must be taken junior or senior year

At Some Distance Electives: 16 credits

Courses unrelated to your major

Choose ENVL or other NAMS courses to equal 80 total prog. credits. Courses in POLS, ECON, PUBH & others may count as cognates with PRIOR approval of Preceptor.  ENVL/Cognate

Choose ONE Math (4-5 credit courses)

- MATH 2210 Calculus for Life Science
- MATH 2215 Calculus I (required for grad school)

Quantitative Reasoning Requirements (3 courses)

Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton

Q1 ___________________________ Q2 ___________________________ Q1 or Q2 ___________________________

**Writing Requirement (4 courses)**

Two W1 courses may be in transfer. W2 courses must be taken at Stockton

W1 ___________________________ W1/W2 ___________________________

W2 ___________________________

W1/W2–3000 level ___________________________

*The student is responsible for insuring that all graduation requirements are met* (Bulletin). Consult with your preceptor and/or the Center for Academic Advising on a regular basis. Prerequisites must be met; consult the Catalog of Courses for information.