



Environmental Engineering—Major Requirements for BS Degree

Effective Fall 2016

University of California, Merced

Anticipated Graduation Date (ex: May 2020) \_\_\_\_\_

Full Name: \_\_\_\_\_ ID #: \_\_\_\_\_ Email \_\_\_\_\_

**Service Learning/Freshman Seminar/SSHA GE**

3 units of ENGR 097/ENGR 197, or one 3-4 unit SSHA GE course.

Term / Course / Team or Title / Units

1.
2.
3.

**Technical Elective Courses**

- Choose a minimum of 15 units
- At least **one** field methods (F) course is required
- At least **one** upper-division earth systems sciences course
- At least **one** upper-division environmental biology course
- A max of 4 units of Service Learning\* and/or Undergraduate Research may be used
- \*Service Learning units counted as technical electives may not be counted as GE

**Field Methods (choose 1)**

- ENVE 181 (Field Methods in Snow Hydrology)
- ENVE 182 (Field Methods in Surface Hydrology)
- ENVE 183 (Field Methods in Subsurface Hydrology)
- ENVE 184 (Field Methods in Environmental Chemistry)

**Earth Systems Science (choose 1)**

- ESS 103 (Geochemistry of Earth Systems) – 3 units
- ESS 105 (Biogeochemistry) – 3 units
- ESS 112 (Subsurface Hydrology) – 4 units
- ESS 170 (Fundamentals of Soil Science) – 3 units

**Environmental Biology (choose 1)**

- ESS 105 (Biogeochemistry)
- ESS 120 (Intro to Ecological and Environmental Microbiology) – 4 units
- ESS 124 (Terrestrial Ecosystem Ecology) – 3 units
- ESS 148 (Fundamentals of Ecology) – 4 units
- ESS 149 (Conservation Biology) – 4 units

The remaining technical elective units may be chosen from the following courses or any of the above courses:

- |          |  |
|----------|--|
| ENVE 105 | ENVE 155                               |
| ENVE 114 | ENVE 162                               |
| ENVE 116 | ENVE 164                               |
| ENVE 118 | ENVE 170                               |
| ENVE 121 | ENVE 171                               |
| ENVE 132 | ENVE 176                               |
| ENVE 140 | ENGR 180                               |
| ENVE 152 | ENGR 097/197 or ENVE 195 (max 4 units) |

Course Dept. #	Course Title	Grade	Units	Term/Year Completed