

BACHELOR OF SCIENCE (B.S.) WORKSHEET 2011-12

LOWER-DIVISION / PREPARATION IN MAJOR (1st and 2nd years)

Env. St. 1 (F qtr)*
 Env. St. 2 (W qtr)*
 Env. St. 3 (S qtr)*

Complete any one course from the following list:
 Anthro. 2; Comm. 1;
 Geography 5;
 Global St. 1, 2;
 History 7;
 Poli. Sci. 1, 6, 7, 12;
 Religious St. 1, 14;
 Sociology 1

Chemistry 1A/AL
 Chemistry 1B/BL
 Chemistry 1C/CL

Physics 6A/AL
 Physics 6B/BL
 Physics 6C/CL

----- **OR** -----
 Physics 1
 Physics 2
 Physics 3/3L

MCDB 1A/AL
 MCDB 1B
 EEMB 2
 EEMB 3/3L
and MCDB 1BL
or EEMB 2L

PSTAT 5A or 5E or 5LS

Geography 3A or 3B or Earth Sci. 1 or 2 or 4 or 20

Math 3A
 Math 3B
 Math 3C

Philosophy 3 or 4 or 6

Economics 1 or 2 or 109 (W qtr)*

Advanced Placement (AP), International Baccalaureate (IB) credit and Transfer Work may be substituted for requirements above! Review your Course History/Profile on GOLD for automatically articulated credit or see the ES Advisor for assistance.

UPPER-DIVISION (3rd and 4th years)

A. ES REQUIRED COURSES (17-18 UNITS)

Environmental Studies 100 (F qtr)* or EEMB 120 or 168 (F qtr)*
 Environmental Studies 106 (F qtr)* or 188 (W qtr)*
 Environmental Studies 115 (W qtr)*
 Environmental Studies 190 (1 unit, P/NP, course offered F, W, S qtrs)
AND
 Geog. 172 or EEMB 146 or 179 or Pstat 120A

B. ES ELECTIVES (32 UNITS of U.D. ES courses #101-199)

Section B-1: 20 Units must be taken from this list: ES 105, 111[^], 113[^], 114A[^]-B[^], 119[^], 120, 128[^], 134, 144[^], 147, 149[^], 152[^], 158[^], 162[^], 166BT[^], 166FP[^], 167[^], 168[^], 169[^], 171[^], 197.

Course	Units
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

Section B-2: 12 Units of any ES course #101-199, excluding the first 20 units used above in section B-1 or in Area A.

6. _____	_____
7. _____	_____
8. _____	_____

Total = 32

Note: Up to 4 units from each of the ES 192, 194, 199, 199RA courses, but No More than 8 units combined, can be applied to this area.

1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____

Total = 16 units

C. OUTSIDE CONCENTRATION (16 UNITS)

There are 2 options for the Outside Concentration:

1) Single department option: Complete any 16 upper-division units from any **ONE** of the following departments: Chemistry & Biochemistry, EEMB and/or MCDB (Bio), Biopsychology, Geography (only courses that apply to the B.S. Physical Geog. major), Earth Sciences, Math, Probability & Statistics, or Physics. Completion of a double major or minor from one of above departments will automatically satisfy this area. **OR**

2) Interdisciplinary emphasis: The combination of 16 upper-division units from more than one department listed above may be used to create a concentration of study as long as they form a coherent focus or emphasis. A student pursuing this option must submit a *Request to Petition Degree Requirements* form to the ES Program justifying how proposed courses relate to each other and the desired emphasis. Petition forms are available from the ES website or the ES Academic or Peer Advisors.

A list of example environmental emphases/concentrations one might use is available from the ES Advisors or at: www.es.ucsb.edu/worksheets

Study Abroad and/or Environmental Field Studies units may be applied to satisfy part or all of Area C. Units earned must be UC transferable, upper-division level, and relate to a student's chosen emphasis (either option 1 or 2 above). A *Request to Petition Degree Requirements* must be approved by the ES Program before units can be applied. For additional info see the ES Advisors or www.es.ucsb.edu

NOTE: [^] Cross-listed courses (either version) may apply to one area only (Area B or C)

* Courses denoting a specific quarter they're offered is for the current academic year only and subject to change year to year

>>> See the reverse side for instructions on how to declare the ES major <<<