

## BACHELOR OF SCIENCE (B.S.) WORKSHEET 2019-20

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

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

Env. St. 30 (F qtr)\* or   
 Economics 1 or 2 or 9

**Ethics & Justice:**  
 Phil. 3 or 4   
 or Poli Sci. 1

**Culture, Society,  
Policy & Politics:**  
 Any one course from list:  
 Anth. 2 or Geog. 5  
 or Global St. 1 or 2  
 or History 5 or 7   
 or Poli. Sci. 6 or 7  
 or 12 or Psychology 1  
 or Religious St. 1 or 14  
 or 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 (F qtr)\*   
 MCDB 1B (W qtr)\*   
 EEMB 2 (W qtr)\*   
 EEMB 3 (S qtr)\*

**AND EITHER:**  
 MCDB 1LL (W, Sum qtrs)\*   
 and EEMB 2LL (F, S qtrs)   
 ----- OR -----  
 MCDB 1AL and   
 1BL or EEMB 2L   
 and EEMB 3L

PSTAT 5A or 5LS   
 or 109  
 (Or Comm 87, Poli. Sci 15,  
 or Psych 5 by petition)

Math 3A or 2A   
 Math 3B or 2B   
 Math 4A

Geography 3 or 4   
 or Earth Sci. 2 or 4 or 20

Advanced Placement (AP), International Baccalaureate (IB) and Transfer credit may be substituted for Prep for Major requirements!  
 Review your *UCSB Course History* on GOLD for automatically articulated credit or see an ES Advisor for assistance.

### UPPER-DIVISION (3rd and 4th years)

#### A. ES REQUIRED COURSES (17-18 UNITS)

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

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

**Section B-1:** 20 Units must be taken from this list: ES 103A<sup>^</sup>, 105, 111<sup>^</sup>, 113<sup>^</sup>, 114A<sup>^</sup>, 114B<sup>^</sup>, 119<sup>^</sup>, 120A, 120B, 121, 128<sup>^</sup>, 133<sup>^</sup>, 134, 141, 142, 144<sup>^</sup>, 147, 149<sup>^</sup>, 152<sup>^</sup>, 154, 157, 158<sup>^</sup>, 162<sup>^</sup>, 163A, 163B, 166BT<sup>^</sup>, 166DC, 166FP<sup>^</sup>, 167<sup>^</sup>, 168<sup>^</sup>, 169<sup>^</sup>, 171<sup>^</sup>, 193CP, 193CS, 193EB, 197.  
<sup>^</sup> denotes a cross-listed course that may be taken through other dept.

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

**Section B-2:** Any 12 UD units of ES courses #100-199 excluding units used to fulfill Area A or the first 20 units applying to section B-1.

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

**Total = 32**

*Note: No more than 4 units each of ES 192, 194, 199, 199RA and no more than 8 units combined may apply. By petition up to 12 UD units of EAP may apply.*

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

**Total = 16 units**

**NOTE: All courses, including cross-listed (either version), may apply to one area only in any part of the major. Courses taken to fulfill any major requirement must be taken for a letter grade unless only offered P/NP.**

\* Denotes specific quarter a course is to be offered; accurate for current academic year ONLY & subject to change year to year

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

#### C. OUTSIDE CONCENTRATION (16 UNITS)

**There are 2 options for the Outside Concentration:**

**1) Single department:** Complete any 16 upper-division units from any **one** of the following departments: Chemistry & Biochemistry, EEMB and/or MCDB (Bio), Earth Sciences, Geography (only courses that apply to the B.S. Physical Geog. major), Math, Statistics, Physics, or units taken for the B.S. degree in Psychological & Brain Sciences. Completion of a double major or minor from the above depts will satisfy this area (Special Studies minors must first consult an ES Advisor).

OR

**2) Interdisciplinary emphasis:** 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* to the ES Program justifying how proposed courses relate to each other and the desired emphasis. Petition forms are available from the ES Advisors.

A list of some example environmental emphases/concentrations one might use is available from the ES Advisors or at: [www.es.ucsb.edu/academics/worksheets](http://www.es.ucsb.edu/academics/worksheets)

**NOTE: 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](http://www.es.ucsb.edu)

## To declare Environmental Studies make sure you qualify & follow these steps:

- 1) ES does not have a "pre-major" that must be completed before applying. We just ask students try to complete at least one of the lower-division ES courses (Env S 1, 2, or 3) and two additional lower-division Preparation for the Major courses. Exceptions for those currently enrolled in one of the above courses will be considered.
- 2) There's no minimum GPA requirement to declare the ES major. A student just needs to be in good academic standing at the time they submit their change of major forms = overall GPA of 2.0 or higher.
- 3) On the reverse side check all classes you've completed to date and circle classes currently enrolled in. Return this form to the ES Advisors in Bren 4312 or 4313 with the following 3 documents:
  - a) A signed copy of the College of L&S **Major Declaration Petition**. Double majors also need the **Memo of Understanding for Double Majors** (forms downloadable at: [www.es.ucsb.edu/declaration](http://www.es.ucsb.edu/declaration)).
  - b) Printout of your **UCSB Course History** containing all completed transfer work, AP/IB scores, and UCSB courses (access GOLD, click *PROGRESS*, then *Major & GE Progress Checks*, then *Course History*).
  - c) Regular #10 business **envelope** (4 1/8" by 9 1/2") with your mailing address in the Recipient section - middle of the envelope - and one standard 'Forever' stamp placed in the top right corner. We add the Return Address.

Name: \_\_\_\_\_ Perm #: \_\_\_\_\_

Email: \_\_\_\_\_ Date: \_\_\_\_\_

## **Don't Be the LAST Student to Know What's Going ON!**

### **Activate/Use Your UCSB Email Account:**

UCSB assigns all registered students a free email account (U-Mail). This account is yours as long as you remain a student and is the only email address the university will use to contact students electronically! If you use an outside email account but sure to set your UCSB email preferences to forward messages to that account. Learn more about your UCSB (U-Mail) account at: <http://www.umail.ucsb.edu>



### **Subscribe to *ESmail*, ES's Student Email Newsletter Service:**

If you are a ES major, or considering becoming one, you should immediately subscribe to the ES Program's *ESmail* listserv (UCSB or any outside email address). Managed by the Program's Academic Advisor, this free email service is open to anyone interested in staying up-to-date on what's going on with the ES Program. Approximately one to two email messages are posted each week containing important information. Topics covered include: important campus deadlines, schedule of classes updates, scholarship opportunities, internship and job listings, special environmental events and lectures, and much more. One may unsubscribe from the service at anytime.

To subscribe to *ESmail* visit: <http://www.es.ucsb.edu/news/esmail> and follow the posted directions.

### **Visit the ES Student Lounge & Library (Bren 4016)**

The ES Student Lounge and Seminar Room, located in Bren 4016 (4th floor lab wing "4L"), is open weekdays 8:00 a.m. to 4:45 p.m. for drop-in use by all ES and Hydrology students. The lounge is equipped with a couple computers to access email, surf the web, word processing, create PowerPoint presentations, and print documents. The lounge's laser printer is set up for paper-saving auto duplexing (a 5 cent donation per sheet is requested). The lounge also has campus WiFi access for personal laptop use. A number of moveable tables, comfortable chairs, and a couch are available and make the lounge a great place to hold group study sessions. While you're there be sure to browse the ES Program's library containing a wide range of environmentally related books.

**Don't forget to visit the ES Program's Website at: <http://www.es.ucsb.edu>**