



## EPS Minor

The minor is comprised of one lower division course (EPS 50 or equivalent **and** EPS C82 for Marine Science) and a minimum of five upper division courses chosen from the major list (noted on the back of this form). Course selections will be guided by the same parameters as those in the major specializations with an option of a general interest. Program planning and confirmation should be done with Undergraduate Advisor Nadine Spingola-Hutton.

**Unit and GPA Requirements**

All courses must be taken for a letter grade and a minimum overall grade-point average of 2.0 is required for the upper division courses used for the minor. At least three of the five upper division minor courses must be completed at Berkeley. Only one upper division minor course may overlap courses in your major program.

**Enrollment Procedure**

Please return this form to 305 McCone Hall with an unofficial printout of your transcript. Remember to bring the College of Letters and Science "Petition for Confirmation of Minor Program Completion" to 305 McCone when enrolled in the final upper division course for your minor.

Questions? Contact Nadine Spingola-Hutton at [nspingola@berkeley.edu](mailto:nspingola@berkeley.edu).

**EPS MINOR WORKSHEET**

NAME \_\_\_\_\_ SID# \_\_\_\_\_

E-Mail \_\_\_\_\_ Phone \_\_\_\_\_

Minor GPA \_\_\_\_\_ Degree Expected \_\_\_\_\_ Term Completed \_\_\_\_\_

**Lower Division**

Class	Term	Units	Grade	Comments
EPS 50				

**Upper Division – 5 Classes**

Class	Term	Units	Grade	Comments
1.				
2.				
3.				
4.				
5.				



## DEPARTMENT OF EARTH AND PLANETARY SCIENCE

Advising Office 305 McCone Hall, UCB - <http://eps.berkeley.edu>

# EPS Minor

The minor is comprised of one lower division course (EPS 50 or equivalent **and** EPS C82 for Marine Science) and a minimum of five upper division courses chosen from the below list and approved by the major advisor. Students are encouraged to develop a coherent program. Course selections can be made from those listed under the major specializations or form a general interest EPS minor. Remember to check for prerequisites. Program planning and confirmation should be done with the major advisor in 305 McCone or speak with one of the faculty advisors related to your specialization interest. **Areas of specializations and courses are listed below:**

### Atmospheric Science

**EPS 102** - History and Evolution of Planet Earth (4)  
**EPS 104** - Mathematical Methods in Geophysics (4)  
**EPS C180** - Air Pollution (3)  
**EPS C181** - Atmospheric Physics and Dynamics (3)  
**EPS C182** - Atmospheric Chemistry and Physics Laboratory (3)  
**EPS C183** - Carbon Cycle Dynamics (3)  
**EPS 230** - Radiation and its interactions with Climate (3)  
**GEOG 142** - Climate Dynamics (4)  
**GEOG 143** - Global Change and Biogeochemistry (4)  
**ENE, RES 102** - Quantitative Aspects of Global Environmental Problems (4)  
**CIV ENG 107** - Climate Change Mitigation (3)  
**CIV ENG 108** - Pollutant Emissions and Control (3)

### Environmental Earth Science

**EPS 100A** - Minerals: Constitution and Origin (4)  
**EPS 100B** - Genesis and Interpretation of Rocks (4)  
**EPS C100** - Communicating Ocean Science (4)  
**EPS 102** - History and Evolution of Planet Earth (4)  
**EPS 103** - Intro to Marine Geochem (4)  
**EPS 109** - Computer Simulations in Earth and Planetary Science (3)  
**EPS 115** - Stratification and Earth History (4)  
**EPS 117** - Geomorphology (4)  
**EPS 131** - Geochemistry (4)  
**EPS C178** - Applied Geophysics (3)  
**EPS 180** - Atmospheric Chemistry (3)  
**EPS C181** - Atmospheric Physics and Dynamics (3)

### Geology

**EPS 100A** - Minerals: Their Constitution and Origin (4)  
**EPS 100B** - Genesis and Interpretation of Rocks (4)  
**EPS 101** - Field Geology and Digital Mapping (4)  
**EPS 102** - History and Evolution of Planet Earth (4)  
**EPS 108** - Geodynamics (4)  
**EPS 109** - Computer Simulations in Earth and Planetary Science (4)  
**EPS 115** - Stratigraphy and Earth History (4)  
**EPS 116** - Structural Geology and Tectonics (3)  
**EPS 117** - Geomorphology (4)  
**EPS 118** - Advanced Field Course (4)  
**EPS 131** - Geochemistry (4)  
**EPS C178** - Applied Geophysics (3)

### Marine Science

**EPS 100A** - Minerals: Their Constitution & Origin (4)  
**EPS 102** - History and Evolution of Planet Earth (4)  
**EPS 103** - Introduction to Aquatic and Marine Geochemistry (4)  
**EPS 109** - Computer Simulations in Earth and Planetary Science (4)  
**EPS 124** - Isotopic Geochemistry (4)  
**EPS 131** - Geochemistry (4)  
**GEOG 142** - Climate Dynamics (4)  
**STAT 131A** - Intro to Probability and Statistics (4)  
**CEE 100** - Elementary Fluid Mechanics (4)  
**CIV ENG 115** - Water Chemistry (3)  
**INTEGBI 103 or 103LF** - Invertebrate Zoology with Lab (5)  
**INTEGBI 152** - Environmental Toxicology (4)  
**INTEGBI 158LF** - Biology & Geomorphology of a Tropical Island (13)  
**INTEGBI 176L** - Fish Ecology (3)

### Geophysics

**EPS 104** - Math Methods in Geophysics (4)  
**EPS 108** - Geodynamics (4)  
**EPS 109** - Computer Simulations in Earth and Planetary Science (4)  
**EPS 122** - Physics of the Earth and Planetary Interiors (3)  
**EPS 130** - Strong Motion Seismology (3)  
**EPS C178** - Applied Geophysics (3)  
*Please note: other courses may be substituted with approval by the faculty advisor.*

### Planetary Science

**EPS 102** - History and Evolution of Planet Earth (4)  
**EPS 104** - Mathematical Methods in Geophysics or **Math 121A** Mathematical Tools for the Physical Sciences (Each are 4 units)  
**EPS 108** - Geodynamics (4)  
**EPS 109** - Computer Simulations in Earth and Planetary Science (4)  
**EPS 117** - Geomorphology (4)  
**EPS 122** - Physics of the Earth and Planetary Interiors (3)  
**EPS C162** - Planetary Astrophysics (4)  
**EPS C180** - Atmospheric Chemistry (3)  
**EPS C181** - Atmospheric Physics and Dynamics (3)  
**EPS C182** - Atmospheric Chemistry and Physics Laboratory (3)