

Energy and Resources Group (ERG) Minor

The minor in Energy and Resources offers undergraduates the opportunity to develop basic knowledge and skills to help them address the complex and interdependent issues associated with the interaction of social, economical, political, technical, and environmental factors. Primarily designed to complement majors in the natural sciences and engineering, students in any major with the appropriate prerequisites may pursue the ERG minor. Additional information about the minor, and contact information for ERG advisors are available online on the ERG website: <http://erg.berkeley.edu/academics/program/#undergrad>.

Completing the Energy and Resources Group Minor Program:

1. This minor is quantitative. Students have or will develop strong foundations in math, physics, chemistry, and biology. Many of the upper division courses in the minor require that students have completed or have the equivalent coursework to Math 1A-1B or 16A-16B; Physics 7A-7B or 8A-8B; Chemistry 1A or 4A; and Biology 1B. Consult with the ERG minor advisor if you have not taken or not yet placed out of the above-mentioned coursework.
2. Five upper division courses are required: ENERES 100 and ENERES 102 plus three elective courses approved by ERG faculty.
 - Upper division electives must be taken from the [approved list](#) by ERG or with permission of the ERG minor/faculty advisor.
 - At least four upper division courses must be taken at Berkeley.
 - At least three upper division courses must be in the Energy and Resources Group.
 - At least one upper division elective must be in the social sciences.
 - At least one upper division elective must be in the natural sciences or engineering.
 - A student may use a maximum of one upper division course to satisfy requirements of both a major and a minor.
3. All upper division courses used in satisfaction of the minor program must be taken for a letter grade.
4. The student must achieve at least a C average (2.00) in the upper division courses offered in satisfaction of a minor program.

If you are interested in pursuing the minor:

1. Complete the “[Intent to Declare ERG Minor](#)” form on the ERG website in the semester you begin the ERG minor by the *third* week of classes (usually ENERES 100). (goo.gl/wA7ri7)
2. Submit the “[Minor Completion Form](#)” within the last two weeks of instruction the semester **BEFORE** you intend to graduate to the ERG minor advisor in 260 Mulford Hall. (goo.gl/Pam6y1)

Aside from the required courses ENERES 100, and ENERES 102, the courses listed below are only a small sample of classes students can take to complete the minor. For a more complete list, please consult ERG website or go to goo.gl/yFQmr9 :

Required Courses: Submit your “intent to declare ERG minor” the semester you have taken/are taking: goo.gl/yFQmr9	
ENERES C100 Fall & Summer	Energy and Society
ENERES 102 Spring only	Quantitative Aspects of Global Environmental Problems
Upper Division Electives in Social Science (some suggested classes) refer to ERG website: goo.gl/yFQmr9	
ENERES	175 (S), 273 (F)* (*with permission)
ENVECON	C102 (F), C151 (S/F)
ESPM	102D (D), 155AC (S), 161 (F), 168 (F), 169 (F/M)
Key: F=Fall, S= Spring, M= Summer	

Upper Division Electives in Natural Science and Engineering (some suggested classes) refer to ERG website: goo.gl/yFQmr9	
CIVENG	103 (F/S), 107 (S), 111 (F), 115 (F)
ENERES	101 (M)
EPS	117 (F/M)
ESPM	111 (S), 112 (S), 120 (F), 131 (S), 140 (S), C180 (S)
Other Upper Division Elective Classes which do not apply to either category) refer to ERG website:	
ENERS	190 (F/S/M)
ESPM	118 (F), 130A (S), 177 (S)
Key: F=Fall, S= Spring, M= Summer	

Completion of a Berkeley minor will only be noted in the memorandum section of the students’ UC Berkeley transcript and NOT on their UC Berkeley diploma.