Guidelines by Major Effective during the 18-19 Academic Year

To: UC Berkeley  | From: Santa Monica College
18-19 General Catalog | 18-19 General Catalog Semester

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====Conservation and Resource Studies, Lower Division B.S.====

College Admission Requirements for Transfer Students
This major is offered by the College of Natural Resources.

PROGRAM

The Conservation and Resource Studies major is administered by the Department of Environmental Science, Policy, and Management (ESPM). The major is an interdisciplinary program designed for students interested in environmental issues and interactions among disciplines related to natural resources, population, energy, technology, societal institutions, and cultural values.

Because CRS students draw on the course offerings of the entire campus, they have the flexibility to incorporate any combination of courses in the social sciences, biological sciences, physical sciences, or humanities to address complex environmental problems. Sample topics include environmental justice and education, sustainable development of world populations, energy and environmental policy, conservation and culture, and ecological restoration and policy, to name a few. Students may also draw upon appropriate community resources in the development of individual programs of study.

Despite the flexibility and breadth, all CRS curricula share a demonstrable commitment to gaining a truly interdisciplinary education. It differs from other ESPM majors in its individualized program that prepares students for a wide range of careers with an environmental leaning.

PREPARATION FOR TRANSFER AT THE JUNIOR LEVEL

Transfer students must complete all articulated lower division major requirements by the end of the spring term preceding fall enrollment at Berkeley. Exceptions are highly unlikely. NOTE: The ESPM Environmental Science Core and the ESPM Social Science Core requirements may be taken at Berkeley if no course is articulated at student's home institution.

Please pay particular attention to how courses from your community college articulate to Berkeley. If courses for a particular subject are articulated as a group (for example, a 3-course series at your college may articulate to a 2-course series at Berkeley), you will need to take all of the courses noted in order for the articulation to work. If you have questions about articulation, please contact our Office of Instruction and Student Affairs, College of Natural Resources, http://nature.berkeley.edu or (510) 642-0542.

There are two options for fulfilling the lower division major requirements:

Option 1: With the exception of ESPM 90 and one course in biology with lab, IGETC Certification will satisfy ALL lower division requirements for the
To: UC Berkeley, From: Santa Monica College, 18-19
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Conservation and Resource Studies, Lower Division B.S. (continued)
Conservation and Resource Studies major. Applicants must complete one course in
biology with lab prior to fall enrollment at Berkeley, (Biology 1B
[recommended], 1A, or 11/11L). ESPM 90 will be completed at Berkeley. In
addition to IGETC.

Option 2: Transfer students can fulfill articulated lower division CRS major
requirements at their institution. Students are highly encouraged to supplement
their coursework with courses in environmental sciences, ecology, biology and
preparation courses to the student's individualized upper division course plan.
NOTE: The ESPM Environmental Science Core and the ESPM Social Science Core
requirements may be taken at Berkeley if no course is articulated at student's
community college.

AP Credit- We will accept the following AP credit:

- AP Biology, with a score of 4 or 5 = Bio 1B, or Bio 11
- AP Calculus AB, with a score of 3, 4, 5 = Math 1A or Math 16A
- AP Calculus BC, with a score of 3 or 4 = Math 1A or Math 16A
- AP Chemistry, with a score of 4 or 5 = Chemistry 1A + 1AL
- AP English Literature, with a score of 3 = Subject A requirement
- AP English Literature, with a score of 4 = First half of Reading &
  Composition (ENGLISH R1A)
- AP English Literature , with a score of 5 = both halves of Reading &
  Composition (ENGLISH R1A and R1B)
- AP English Language, with a score of 3 = Subject A requirement
- AP English Language, with a score of 4 or 5 = First half of Reading &
  Composition (ENGLISH R1A)
- AP Environmental Science, with a score of 4 or 5 = ESPM Environmental
  Science Core
- AP Statistics, with a Score of 3, 4, 5 = Statistics 2

Please note that substituting AP scores for science and math coursework is
accepted, but not recommended. Students who use AP scores for these
requirements may struggle in subsequent coursework.

Please refer to the College of Natural Resources Handbook for more information
about substitutions for the English R1A and R1B requirements:
http://nature.berkeley.edu/handbook

For more information:
CRS Student Academic Advisor
Office of Instruction and Student Affairs
College of Natural Resources
260 Mulford Hall
(510) 642-0542
e-mail: cnrteaching@berkeley.edu
website:
https://nature.berkeley.edu/advising/majors/conservation-and-resource-studies
To: UC Berkeley, From: Santa Monica College, 18-19

Conservation and Resource Studies, Lower Division B.S. (continued)

For more information on admission to UC Berkeley:
http://admissions.berkeley.edu

For more information on majors at UC Berkeley:
Berkeley Academic Guide: http://guide.berkeley.edu

CONSERVATION AND RESOURCE STUDIES

MAJOR REQUIREMENTS:

READING & COMPOSITION

Course work comparable to Berkeley's READING & COMPOSITION (R&C) R1A and R1B is required.

<table>
<thead>
<tr>
<th>ENGLISH R1A</th>
<th>Reading and Composition (4)</th>
<th>ENGL 1 Reading and Composition (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH R1B</td>
<td>Reading and Composition (4)</td>
<td>ENGL 2 Critical Analysis and Composition (3)</td>
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<tr>
<td>OR</td>
<td></td>
<td>ENGL 31 Advanced Composition (3)</td>
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</table>

ONE COURSE IN CALCULUS OR STATISTICS

<table>
<thead>
<tr>
<th>MATH 1A</th>
<th>Calculus (4)</th>
<th>MATH 7 Calculus 1 (5)</th>
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</thead>
<tbody>
<tr>
<td>MATH 16A</td>
<td>Analytic Geometry and Calculus (3)</td>
<td>MATH 7 Calculus 1 (5)</td>
</tr>
<tr>
<td>STAT 2</td>
<td>Introduction to Statistics (4)</td>
<td>MATH 54 Elementary Statistics (4)</td>
</tr>
<tr>
<td>STAT C8</td>
<td>Foundations of Data Science (4)</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td>STAT 20</td>
<td>Introduction to Probability and Statistics (4)</td>
<td>NO COURSE ARTICULATED</td>
</tr>
</tbody>
</table>

NOTE: STAT 20 at Berkeley has a prerequisite of one semester of calculus.

ONCE COURSE IN BIOLOGY WITH LAB (4-5 Units)

(One course from BIOLOGY 1A, 1B [recommended], or 11 & 11L)

<table>
<thead>
<tr>
<th>BIOLOGY 1A</th>
<th>General Biology Lecture (Cells, Genetics, Animal Form &amp; Function) (3)</th>
<th>BIOL 21 Cell Biology and Evolution (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY 1AL</td>
<td>General Biology Laboratory (4)</td>
<td>BIOL 22 Cell Biology and Genetics and Molecular Biology (4)</td>
</tr>
<tr>
<td>BIOLOGY 1B</td>
<td>General Biology (Plant Form &amp; Function, Ecology, Evolution) (4)</td>
<td>BIOL 23 Organismal and Environmental Biology (5)</td>
</tr>
<tr>
<td>BIOLOGY 11</td>
<td>Introduction to the Science of Living Organisms (3)</td>
<td>BIOL 3 Fundamentals of Biology (4)</td>
</tr>
<tr>
<td>BIOLOGY 11L</td>
<td>Laboratory for Biology (2)</td>
<td></td>
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</tbody>
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To: UC Berkeley, From: Santa Monica College, 18-19

Conservation and Resource Studies, Lower Division B.S. (continued)

ONE UC-TRANSFERABLE COURSE IN PHYSICAL SCIENCE (3-4 Units)

ONE UC-TRANSFERABLE COURSE IN SOCIAL & BEHAVIORAL SCIENCES (3-4 Units)

ONE UC-TRANSFERABLE COURSE IN HUMANITIES (3-4 Units)

ESP M ENVIRONMENTAL SCIENCE CORE COURSE
Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Course Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESPM 2</td>
<td>The Biosphere</td>
<td>3</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td>ESPM 6</td>
<td>Environmental Biology</td>
<td>3</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td>ESPM C10</td>
<td>Environmental Issues</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td></td>
<td>Same as: LNS C30V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESPM 15</td>
<td>Introduction to Environmental Sciences</td>
<td>3</td>
<td>NO COURSE ARTICULATION</td>
</tr>
<tr>
<td>ESPM C46</td>
<td>Climate Change and the Future of California</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
</tbody>
</table>

ESP M SOCIAL SCIENCE CORE COURSE
Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Course Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESPM C11</td>
<td>Americans and the Global Forest</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td></td>
<td>Same as: LNS C30U</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESPM C12</td>
<td>Introduction to Environmental Studies</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td>ESPM 50AC</td>
<td>Introduction to Culture and Natural Resource Management</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td>ESPM 60</td>
<td>Environmental Policy, Administration, and Law</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
</tbody>
</table>

ESP M 90 - Introduction to Conservation and Resource Studies Major.
(To be taken at Berkeley only).

ESP M 90     | Introduction to Conservation and Resource Studies Major | 2 | Course must be taken at the university after transfer. |
Conservation and Resource Studies, Lower Division B.S. (continued)

TWO UC-TRANSFERABLE COURSES PREPARATORY TO UPPER DIVISION
AREA OF INTEREST (6-8 Units)

(NOTE: Area of interest, determined by the student, should be in an environmental or resource management-related area such as biology, ecology, environmental studies, geography, etc.)

NOTE: ADDITIONAL COURSES IN THE BIOLOGICAL, ENVIRONMENTAL, AND PHYSICAL SCIENCES ARE RECOMMENDED.

END OF MAJOR