College Admissions Requirements for Transfer Students

This major is offered by the College of Natural Resources.

PREPARATION FOR TRANSFER AT THE JUNIOR LEVEL

Transfer applicants **must** complete the minimum admissions requirements by the end of the **spring** term preceding fall enrollment at Berkeley, and are encouraged to complete as many additional lower division requirements as possible. 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.

Minimum Admissions Requirements:

Equivalent of:
- English R1A & English R1B
- Chemistry 1A & 1AL
- Chemistry 3A & 3AL
- Chemistry 3B & 3BL
- Biology 1A and 1AL
- Biology 1B
- Math 1A & Math 1B or Math 16A & Math 16B

**NOTE:** We will accept AP credit for the following requirements:

- AP Biology, with a score of 4 or 5 = Bio 1B
- 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 Calculus BC, with a score of 5 = Math 1A/16A and Math 1B/16B
- 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

For more information:
MEB Student Academic Advisor
To: UC Berkeley, From: Pasadena City College, 18-19

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Molecular Environmental Biology, Lower Division B.S. (continued)

Office of Instruction and Student Affairs
College of Natural Resources
260 Mulford Hall
(510) 642-0542
email: cnrteaching@berkeley.edu

For more information on this major:

\[\text{target="_blank"}>http://nature.berkeley.edu/advising/majors/molecular-environmental-biology\]

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

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READING & COMPOSITION

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

Minimum admissions requirement.

<table>
<thead>
<tr>
<th>ENGLISH R1A</th>
<th>Reading and Composition</th>
<th>(4)</th>
<th>ENGL 1A</th>
<th>Reading and Composition</th>
<th>(4)</th>
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</thead>
<tbody>
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<td>OR Engh 1AH</td>
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<td>Honors Reading and Composition</td>
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</table>

<table>
<thead>
<tr>
<th>ENGLISH R1B</th>
<th>Reading and Composition</th>
<th>(4)</th>
<th>ENGL 1B</th>
<th>Reading and Composition</th>
<th>(4)</th>
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<td>OR</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Honors Reading and Composition</td>
<td>(4)</td>
</tr>
</tbody>
</table>

TWO COURSES IN CALCULUS CHOSEN FROM MATH 1A & 1B or MATH 16A & 16B (6-8 Units)

Select one of the following Calculus Series:

Minimum admissions requirement.

<table>
<thead>
<tr>
<th>MATH 1A</th>
<th>Calculus</th>
<th>(4)</th>
<th>MATH 005A</th>
<th>Single Variable Calculus I</th>
<th>(5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AND</td>
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<td>AND</td>
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<td></td>
</tr>
<tr>
<td>MATH 1B</td>
<td>Calculus</td>
<td>(4)</td>
<td>MATH 005B</td>
<td>Single Variable Calculus II</td>
<td>(5)</td>
</tr>
<tr>
<td>OR</td>
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<td></td>
<td>OR</td>
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<td></td>
</tr>
<tr>
<td>MATH 16A</td>
<td>Analytic Geometry and Calculus</td>
<td>(3)</td>
<td>MATH 005A</td>
<td>Single Variable Calculus I</td>
<td>(5)</td>
</tr>
<tr>
<td>AND</td>
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</tbody>
</table>
Molecular Environmental Biology, Lower Division B.S. (continued)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 16B</td>
<td>Analytic Geometry and Calculus</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 005B</td>
<td>Single Variable Calculus II</td>
<td>(5)</td>
</tr>
</tbody>
</table>

CHEMISTRY

Courses must include a laboratory component.

Minimum admissions requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory</td>
<td>(1)</td>
</tr>
<tr>
<td>CHEM 3A</td>
<td>Chemical Structure and Reactivity</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 3AL</td>
<td>Organic Chemistry Laboratory</td>
<td>(2)</td>
</tr>
<tr>
<td>CHEM 3B</td>
<td>Chemical Structure and Reactivity</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 3BL</td>
<td>Organic Chemistry Laboratory</td>
<td>(2)</td>
</tr>
</tbody>
</table>

BIOLOGY

Minimum admissions requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY 1A</td>
<td>General Biology Lecture</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOLOGY 1AL</td>
<td>General Biology Laboratory</td>
<td>(2)</td>
</tr>
<tr>
<td>BIOLOGY 1B</td>
<td>General Biology (Plant Form &amp; Function, Ecology, Evolution)</td>
<td>(4)</td>
</tr>
<tr>
<td>BIOL 10A</td>
<td>Cellular Biology, Genetics &amp; Evolution</td>
<td>(5)</td>
</tr>
<tr>
<td>BIOL 10C</td>
<td>Genetics</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 10B</td>
<td>Diversity of Life on Earth: Structure, Function and Ecology</td>
<td>(5)</td>
</tr>
<tr>
<td>BIOL 10C</td>
<td>Genetics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

4-8 UNITS PHYSICS

(Physics 7A or 8A [plus Physics 7B or 8B, if pre-health])

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICS 7A</td>
<td>Physics for Scientists and Engineers</td>
<td>(4)</td>
</tr>
<tr>
<td>PHYS 1A</td>
<td>General Physics</td>
<td>(5)</td>
</tr>
<tr>
<td>PHYS 1B</td>
<td>General Physics</td>
<td>(5)</td>
</tr>
<tr>
<td>PHYSICS 7B</td>
<td>Physics for Scientists and Engineers</td>
<td>(4)</td>
</tr>
<tr>
<td>PHYS 1C</td>
<td>General Physics</td>
<td>(5)</td>
</tr>
</tbody>
</table>
NOTE: This institution may cover the topics in Berkeley's PHYSICS 7ABC series in a different order. Students who transfer before completing courses equivalent to the entire 7ABC series may need to enroll in Berkeley's PHYSICS 49 to complete missing topics such as wave motion (7A) or heat (7B).

**PHYSICS 8A**  Introductory Physics  (4)  **PHYS 31A**  General Physics  (5)

**PHYSICS 8B**  Introductory Physics  (4)  **PHYS 31B**  General Physics  (5)

**ONE UC-TRANSFERABLE COURSE IN SOCIAL AND BEHAVIORAL SCIENCES**

**ESPM ENVIRONMENTAL SCIENCE CORE COURSE**
Select one of the following:

**ESPM 2**  The Biosphere  (3)  **NO COURSE ARTICULATED**

**ESPM 6**  Environmental Biology  (3)  **NO COURSE ARTICULATED**

**ESPM C10**  Environmental Issues  (4)  **NO COURSE ARTICULATED**
  Same as: LNS C30V

**ESPM 15**  Introduction to Environmental Sciences  (3)  **NO COURSE ARTICULATED**

**ESPM C46**  Climate Change and the Future of California  (4)  **NO COURSE ARTICULATED**

**ESPM SOCIAL SCIENCE CORE COURSE**
Select one of the following:

**ESPM C11**  Americans and the Global Forest  (4)  **NO COURSE ARTICULATED**
  Same as: LNS C30U

**ESPM C12**  Introduction to Environmental Studies  (4)  **NO COURSE ARTICULATED**

**ESPM 50AC**  Introduction to Culture and Natural Resource Management  (4)  **NO COURSE ARTICULATED**

**ESPM 60**  Environmental Policy, Administration, and Law  (4)  **NO COURSE ARTICULATED**

**END OF MAJOR**