Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
   2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
   2017-2017 General Catalog, Semester

ACTUARIAL SCIENCE, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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ACTUARIAL SCIENCE, B.S.

Please visit the department's website to learn more about this major: www.pstat.ucsb.edu

PREPARATION FOR THE MAJOR:

Mathematics 3A, 3B, 4A, 4B, 6A, 6B, 8* (these courses must be completed with grades of "C" or better)

PSTAT 10 (must be completed with a grade of "C" or better)

Computer Science 16 (Computer Science 8 is a prerequisite for Computer Science 16 at UCSB)

Writing 107A or 107B (these are upper division courses that are not articulated and will be taken at UCSB)

* Either MATH 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take MATH 8 at UCSB.

**Recommended courses:** Economics 1 & 2, Philosophy 3 or 4
## Preparation for the Major

**Refer to Top of Agreement**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course (4.00)</td>
<td></td>
</tr>
<tr>
<td>MATH 265</td>
<td>Calculus with Analytic Geometry I (5.00)</td>
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<td>Calculus with Analytic Geometry II (5.00)</td>
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<td>Linear Algebra with Applications (4.00)</td>
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<td>MATH 270</td>
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<td>MATH 4B</td>
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<td>Ordinary Differential Equations (3.00)</td>
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<td>Vector Calculus with Applications, First Course (4.00)</td>
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<tr>
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<td>Calculus with Analytic Geometry III (5.00)</td>
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<td>MATH 8</td>
<td>Transition to Higher Mathematics (5.00)</td>
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<td>PSTAT 10</td>
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<tr>
<td>CMPSC 16</td>
<td>Problem Solving with Computers I (4.00)</td>
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<tr>
<td>CO SCI 340</td>
<td>Object Oriented Programming in C++ (3.00)</td>
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<tr>
<td>WRIT 107A</td>
<td>Writing for Accounting Economics (4.00)</td>
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<td>WRIT 107B</td>
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## Recommended

**Refer to Top of Agreement**

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<tr>
<td>CMPSC 8</td>
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<tr>
<td>CO SCI 344</td>
<td>Introduction to JAVA (3.00)</td>
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<tr>
<td>ECON 1</td>
<td>Principles of Economics I (3.00)</td>
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Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
From: Los Angeles Harbor College

2016-2017 General Catalog, Quarter
2017-2017 General Catalog, Semester

ANTHROPOLOGY, B.A. - ARCHAEOLOGY EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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ANTHROPOLOGY, B.A. - ARCHAEOLOGY EMPHASIS

Please visit the department's website to learn more about this major: www.anth.ucsb.edu

PREPARATION FOR THE MAJOR:

Anthropology 2 and 3 and 5

Anthropology 9 or PSTAT 5A or PSTAT 5LS

PREPARATION FOR THE MAJOR

<p>| ANTH 2 - Introductory Cultural Anthropology (4.00) | ANTHRO 102 - Human Ways of Life: Cultural Anthropology (3.00) |</p>
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Equivalent Course</th>
<th>Notes</th>
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<tr>
<td>ANTH 3</td>
<td>Introductory Archaeology</td>
<td>5.00</td>
<td>ANTHRO 103 - Archaeology: Reconstructing the Human Past</td>
<td>3.00</td>
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<tr>
<td>ANTH 5</td>
<td>Introductory Biological Anthropology</td>
<td>4.00</td>
<td>ANTHRO 101 - Human Biological Evolution</td>
<td>3.00</td>
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<tr>
<td>ANTH 9</td>
<td>Methods in the Human Behavioral Sciences</td>
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<tr>
<td>PSTAT 5A</td>
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<tr>
<td>PSTAT 5LS</td>
<td>Statistics for Life Sciences</td>
<td>5.00</td>
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ANTHROPOLOGY, B.A. - BIOLOGICAL EMPHASIS

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PREPARATION FOR THE MAJOR:

Anthropology 2 and 3 and 5 and 7
Anthropology 9 or PSTAT 5A or PSTAT 5LS

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<td>ANTH 101</td>
<td>Human Biological Evolution</td>
<td>3.00</td>
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<tr>
<td>ANTH 7</td>
<td>Introductory Biosocial Anthropology</td>
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<td>Methods in the Human Behavioral Sciences</td>
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ANTHROPOLOGY, B.A. - CULTURAL EMPHASIS

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ANTHROPOLOGY, B.A. - CULTURAL EMPHASIS

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PREPARATION FOR THE MAJOR:

Anthropology 2 and 3 and 5 and 9

PREPARATION FOR THE MAJOR

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<tr>
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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

**AQUATIC BIOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B

Mathematics 3A-3B or 34A-34B

PSTAT 5LS or PSTAT 5A or Mathematics 4A (Mathematics 4A is acceptable but not recommended)

Physics 6A-6AL-6B-6BL-6C-6CL

**PREPARATION FOR THE MAJOR**

****REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

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<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
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<td>CHEM 1B - General Chemistry (3.00)</td>
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<td>CHEM 1BL - General Chemistry Laboratory (2.00)</td>
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<td>CHEM 1C - General Chemistry (3.00)</td>
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<td>And</td>
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<td>CHEM 1CL - General Chemistry Laboratory (2.00)</td>
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| CHEM 102 - General Chemistry II (5.00) | |
| And | |

2/4
**REFER TO TOP OF AGREEMENT**
Complete entire sequence prior to transfer
Required for admission

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<thead>
<tr>
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<th>Description</th>
<th>Credit Hours</th>
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<tr>
<td>EEMB 2L</td>
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<td>Same-As: MCDB 1BL</td>
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<tr>
<td>EEMB 3</td>
<td>Introductory Biology III (3.00)</td>
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<tr>
<td>EEMB 3L</td>
<td>Introductory Biology Laboratory III (1.00)</td>
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<tr>
<td>MCDB 1A</td>
<td>Introductory Biology I (4.00)</td>
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<tr>
<td>CHEM 6BL</td>
<td>Laboratory Methods of Organic Chemistry (3.00)</td>
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<tr>
<td>CHEM 109B</td>
<td>Organic Chemistry (4.00)</td>
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<tr>
<td></td>
<td>[And]</td>
<td></td>
</tr>
<tr>
<td>MATH 266</td>
<td>Calculus with Analytic Geometry II (5.00)</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 236</td>
<td>Calculus for Business and Social Science (5.00)</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 211</td>
<td>Organic Chemistry for Science Majors I (5.00)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[And]</td>
<td></td>
</tr>
<tr>
<td>CHEM 212</td>
<td>Organic Chemistry for Science Majors II (5.00)</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 211</td>
<td>Organic Chemistry for Science Majors I (5.00)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lower division credit only</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[And]</td>
<td></td>
</tr>
<tr>
<td>CHEM 212</td>
<td>Organic Chemistry for Science Majors II (5.00)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lower division credit only</td>
<td></td>
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**Refer to top of agreement for complete sequence prior to transfer. Required for admission.**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 34A</td>
<td>Calculus for Social and Life Sciences</td>
<td>4.00</td>
</tr>
<tr>
<td>MATH 34B</td>
<td>Calculus for Social and Life Sciences</td>
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**Or**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>5.00</td>
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<tr>
<td>PSTAT 5LS</td>
<td>Statistics for Life Sciences</td>
<td>5.00</td>
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**Or**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>Acceptable; Not recommended</td>
<td></td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
<td>3.00</td>
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**Or**

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<th>Course Code</th>
<th>Course Description</th>
<th>Units</th>
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<tbody>
<tr>
<td>PHYS 6A</td>
<td>Introductory Physics</td>
<td>3.00</td>
</tr>
<tr>
<td>PHYS 6AL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
</tr>
<tr>
<td>PHYS 6B</td>
<td>Introductory Physics</td>
<td>3.00</td>
</tr>
<tr>
<td>PHYS 6BL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
</tr>
<tr>
<td>PHYS 6C</td>
<td>Introductory Physics</td>
<td>3.00</td>
</tr>
<tr>
<td>PHYS 6CL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
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**Or**

<table>
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<th>Course Code</th>
<th>Course Description</th>
<th>Units</th>
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<tbody>
<tr>
<td>PHYS 6</td>
<td>General Physics I</td>
<td>4.00</td>
</tr>
<tr>
<td>PHYS 7</td>
<td>General Physics II</td>
<td>4.00</td>
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</table>

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara 2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College 2017-2017 General Catalog, Semester

ART, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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ART, B.A.

Please visit the department's website to learn more about this major: www.arts.ucsb.edu

PREPARATION FOR THE MAJOR:

Art 1A, 1C, 7A, 7B, 7C, 7D

Three courses from: Art 10, 12, 14, 18, 19, 22, 32

PREPARATION FOR THE MAJOR

ART 1A - Visual Literacy (5.00)  No Course Articulated
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Articulation Status</th>
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</thead>
<tbody>
<tr>
<td>ART 1C</td>
<td>Introduction to Contemporary Art</td>
<td>2.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 7A</td>
<td>The Intersections of Art and Life</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 7B</td>
<td>Introduction to Contemporary Practice I: Image Studies</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 7C</td>
<td>Introduction to Contemporary Practice II: Spatial Studies</td>
<td>5.00</td>
<td>ART 502 - Beginning Three-Dimensional Design (3.00)</td>
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<tr>
<td>ART 7D</td>
<td>Introduction to Contemporary Practice III: Art, Science and Technologies</td>
<td>5.00</td>
<td>No Course Articulated</td>
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</tbody>
</table>

Select 3 Course(s) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Articulation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 10</td>
<td>Introduction to Painting</td>
<td>4.00</td>
<td>ART 300 - Introduction to Painting (3.00) Or ART 310 - Beginning Oil Painting (2.00) And ART 311 - Intermediate Oil Painting (2.00) And ART 706 - Clay Sculpture I (2.00) And ART 707 - Clay Sculpture II (2.00)</td>
</tr>
<tr>
<td>ART 12</td>
<td>Beginning Spatial Practices</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 14</td>
<td>Lower-Division Print</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 18</td>
<td>Lower-Division Drawing</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 19</td>
<td>Lower-Division Photography</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 22</td>
<td>Introduction to Computer Programming in the Arts</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ART 32</td>
<td>Introduction to Digital Video</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

END OF AGREEMENT
Articulation Agreement  
by Major  
Effective during the 2017-2018 Academic Year  

To: University of California, Santa Barbara  
2016-2017 General Catalog, Quarter  

From: Los Angeles Harbor College  
2017-2017 General Catalog, Semester  

ASIAN AMERICAN STUDIES, B.A.  

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ASIAN AMERICAN STUDIES, B.A.  

Please visit the department's website to learn more about this major: www.asamst.ucsb.edu  

PREPARATION FOR THE MAJOR:  

Asian American Studies 1  

Asian American Studies 4 or 5 or 71 (RG ST 71) or 79  

Asian American Studies 2 or 7 or 8 or 9  

PREPARATION FOR THE MAJOR
**AS AM 1** - Introduction to Asian American History, 1850-Present (4.00)  
**HISTORY 58** - The Asian American in the History of the United States (3.00)

### Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AS AM 4</strong></td>
<td>Introduction to Asian American Popular Culture (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>AS AM 5</strong></td>
<td>Introduction to Asian American Literature (4.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>
| **AS AM 71** | Introduction to Asian American Religions (4.00)  
Same-As: RG ST 71 | No Course Articulated |
| **AS AM 79** | Introduction to Playwriting (4.00) | No Course Articulated |
| **RG ST 71** | Introduction to Religion in Asian America (4.00)  
Same-As: AS AM 71 | No Course Articulated |

### Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AS AM 2</strong></td>
<td>American Migration Since 1965: Asians and Others in the United States (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>AS AM 7</strong></td>
<td>Globalization, Gender and Social Inequality in Asian America (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>AS AM 8</strong></td>
<td>Introduction to Asian American Gender and Sexuality (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>AS AM 9</strong></td>
<td>Asian American Freedom Struggles and Third World Resistance (4.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

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Articulation Agreement
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ASIAN STUDIES, B.A.

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ASIAN STUDIES, B.A.

Please visit the department's website to learn more about this major: www.eastasian.ucsb.edu

PREPARATION FOR THE MAJOR

Language requirement: Two years of an East Asian language pertaining to the student's area of interest, such as Chinese, Japanese, or other language approved by the department. UCSB's Chinese and Japanese language courses are not automatically articulated, even if community college courses are listed in the course articulation area. Students must verify their language proficiency with a placement exam. If a student has taken college courses in Chinese or Japanese, and their score on the placement exam requires them to take a UCSB course that is at the same level as the college course taken elsewhere, then only subject credit will be awarded for UCSB courses that duplicate the courses taken elsewhere.

Core Cultural Courses: East Asian Cultural Studies (EACS) 4A and 4B
**One course from the following:** Chinese 26, 32, 35 40, 50; EACS 3, 5, 7, 14, 20, 21, 23, 30, 40, 47, 74, 80, 85; Japanese 17, 25, 50, 63, 70, 73, 80; Korean 20, 60, 75; Art History 6DS, 6DW; Comparative Literature 31; History 87, 88; Religious Studies 3, 4, 19, 21, 23, 31, 47, 73, 74

**NOTE FOR NATIVE SPEAKERS**

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

**PREPARATION FOR THE MAJOR**

****REFER TO TOP OF AGREEMENT**

**Articulation is subject to placement by proficiency exam**

| CHIN 1 - Elementary Modern Chinese (5.00) | No Course Articulated |
| And |
| CHIN 2 - Elementary Modern Chinese (5.00) | No Course Articulated |
| And |
| CHIN 3 - Elementary Modern Chinese (5.00) | No Course Articulated |
| Or equivalent |
| And |
| CHIN 4 - Intermediate Modern Chinese (5.00) | No Course Articulated |
| And |
| CHIN 5 - Intermediate Modern Chinese (5.00) | No Course Articulated |
| And |
| CHIN 6 - Intermediate Modern Chinese (5.00) | No Course Articulated |
| Or equivalent |
| Or **REFER TO TOP OF AGREEMENT**

**Articulation is subject to placement by proficiency exam**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAPAN 1</td>
<td>First-Year Japanese I (5.00)</td>
<td>And</td>
</tr>
<tr>
<td>JAPAN 2</td>
<td>First-Year Japanese II (5.00)</td>
<td>And</td>
</tr>
<tr>
<td>JAPAN 3</td>
<td>First-Year Japanese III (5.00)</td>
<td>Or equivalent</td>
</tr>
<tr>
<td>JAPAN 4</td>
<td>Second-Year Japanese I (5.00)</td>
<td>And</td>
</tr>
<tr>
<td>JAPAN 5</td>
<td>Second-Year Japanese II (5.00)</td>
<td>And</td>
</tr>
<tr>
<td>JAPAN 6</td>
<td>Second-Year Japanese III (5.00)</td>
<td>Or equivalent</td>
</tr>
<tr>
<td>EACS 4A</td>
<td>East Asian Traditions: Pre-Modern (4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>EACS 4B</td>
<td>East Asian Traditions: Modern (4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>ARTHI 6DS</td>
<td>Survey: History of Art in China (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>ARTHI 6DW</td>
<td>Survey: Art of Japan and Korea (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>CHIN 26</td>
<td>New Phenomena in 21st Century Chinese (4.00)</td>
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<td>CHIN 32</td>
<td>Contemporary Chinese Religions (4.00)</td>
<td>No Course Articulated</td>
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<td>CHIN 35</td>
<td>Introduction to Taiwan Literature (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>CHIN 40</td>
<td>Popular Culture in Modern Chinese Societies (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>CHIN 50</td>
<td>Introduction to Chinese Literature: A Regional Approach (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>C LIT 31</td>
<td>Major Works of Asian Literatures (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>EACS 3</td>
<td>Introduction to Asian Religious Traditions (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>EACS 5</td>
<td>Introduction to Buddhism (4.00)</td>
<td>No Course Articulated</td>
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<td>EACS 7</td>
<td>Asian Values (4.00)</td>
<td>No Course Articulated</td>
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<td>EACS 14</td>
<td>Environment and Power in Japan (4.00)</td>
<td>No Course Articulated</td>
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<td>EACS 20</td>
<td>Nature: East Asian Views (4.00)</td>
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<tr>
<td>EACS 21</td>
<td>Zen Buddhism (4.00)</td>
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<tr>
<td>EACS 23</td>
<td>Introduction to Chinese Buddhism (4.00)</td>
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<td>Same-As: RG ST 23</td>
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<tr>
<td>EACS 30</td>
<td>Tourism in East Asia (4.00)</td>
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<tr>
<td>EACS 40</td>
<td>Gender and Sexuality in Modern Asia (4.00)</td>
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<td>EACS 47</td>
<td>Introduction to Taoism (4.00)</td>
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<tr>
<td>EACS 74</td>
<td>The Western Discovery of Buddhism (4.00)</td>
<td>4.00</td>
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<tr>
<td></td>
<td>Same-As: RG ST 74</td>
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<tr>
<td>EACS 80</td>
<td>East Asian Civilization (4.00)</td>
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<td></td>
<td>Same-As: HIST 80</td>
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<tr>
<td>EACS 85</td>
<td>Modern China: An Introduction (4.00)</td>
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<td>JAPAN 50</td>
<td>Contemporary Japanese Literature and Beyond (4.00)</td>
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<tr>
<td>HIST 87</td>
<td>Japanese History Through Art and Literature (4.00)</td>
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<tr>
<td>HIST 88</td>
<td>Survey of South Asian History (4.00)</td>
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<tr>
<td>JAPAN 17</td>
<td>Imagining the Samurai (4.00)</td>
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<tr>
<td>JAPAN 25</td>
<td>Violence and the Japanese State (4.00)</td>
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<td></td>
<td>Same-As: HIST 25</td>
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<tr>
<td>JAPAN 63</td>
<td>Sociology of Japan (4.00)</td>
<td>4.00</td>
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<tr>
<td>JAPAN 70</td>
<td>Japan in Film (4.00)</td>
<td>4.00</td>
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<tr>
<td>JAPAN 73</td>
<td>Introduction to Japanese Religion: Texts, Concepts, and Representations (4.00)</td>
<td>4.00</td>
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<td></td>
<td>Same-As: RG ST 73</td>
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<tr>
<td>JAPAN 80</td>
<td>Masterpieces of Japanese Literature (4.00)</td>
<td>4.00</td>
</tr>
<tr>
<td>KOR 20</td>
<td>The New Korean Wave (4.00)</td>
<td>4.00</td>
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<tr>
<td>KOR 60</td>
<td>Topics in Korean Television: Drama and Social Reality (4.00)</td>
<td>4.00</td>
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<tr>
<td>KOR 75</td>
<td>Introduction to Popular Culture in Korean Film (4.00)</td>
<td>4.00</td>
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<tr>
<td>RG ST 19</td>
<td>The Gods and Goddesses of India (4.00)</td>
<td>4.00</td>
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<tr>
<td>RG ST 31</td>
<td>The Religions of Tibet (4.00)</td>
<td>4.00</td>
</tr>
<tr>
<td>RG ST 47</td>
<td>Introduction to Taoism (4.00)</td>
<td>4.00</td>
</tr>
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BIOCHEMISTRY, B.S.

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BIOCHEMISTRY, B.S.

Please visit the department's website to learn more about this major: www.chem.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Chemistry, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.00 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

I. PRE-MAJOR REQUIREMENTS

Chemistry 1A-1AL-1B-1BL-1C-1CL

Chemistry 6AL-6BL
Chemistry 109A-109B-109C

Mathematics 3A-3B, 4A

Physics 1-2-3-4 or Physics 6A-6B-6C

II. PREPARATION FOR THE MAJOR

The following courses are not required to be admitted into the Biochemistry B.S. major, but are required to complete the major.

Mathematics 6A

Physics 3L-4L or Physics 6AL-BL-CL

MCDB 1A-1AL-1B and EEMB 2 and either MCDB 1BL or EEMB 2L

Students must earn a minimum grade of C- in all major-applicable transfer courses in order to satisfy UCSB major requirements.

PRE-MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>CHEM 1A</th>
<th>General Chemistry (3.00)</th>
<th>CHEM 101</th>
<th>General Chemistry I (5.00)</th>
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<tbody>
<tr>
<td></td>
<td>And</td>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory (2.00)</td>
<td>CHEM 102</td>
<td>General Chemistry II (5.00)</td>
</tr>
<tr>
<td></td>
<td>And</td>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry (3.00)</td>
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<td>And</td>
<td>And</td>
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</tr>
<tr>
<td>CHEM 1BL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<td>And</td>
<td>And</td>
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<tr>
<td>CHEM 1C</td>
<td>General Chemistry (3.00)</td>
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<td>And</td>
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<tr>
<td>CHEM 1CL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<table>
<thead>
<tr>
<th>CHEM 6AL</th>
<th>Laboratory Methods of Organic Chemistry (3.00)</th>
<th>CHEM 211</th>
<th>Organic Chemistry for Science Majors I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>And</td>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 6BL</td>
<td>Laboratory Methods of Organic Chemistry (3.00)</td>
<td>CHEM 212</td>
<td>Organic Chemistry for Science Majors II (5.00)</td>
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<table>
<thead>
<tr>
<th>CHEM 109A</th>
<th>Organic Chemistry (4.00)</th>
<th>CHEM 211</th>
<th>Organic Chemistry for Science Majors I (5.00)</th>
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<tbody>
<tr>
<td></td>
<td>And</td>
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<tr>
<td>CHEM 109B</td>
<td>Organic Chemistry (4.00)</td>
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<tr>
<td>CHEM 109C</td>
<td>Organic Chemistry (4.00)</td>
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<td>Course Title</td>
<td>Units</td>
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<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course</td>
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<td>MATH 3B</td>
<td>Calculus with Applications, Second Course</td>
<td>4.00</td>
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<tr>
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<td>Basic Physics</td>
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<td>PHYS 6B</td>
<td>Introductory Physics</td>
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<td>PHYS 6C</td>
<td>Introductory Physics</td>
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</tr>
<tr>
<td>PHYS 4L</td>
<td>Physics Laboratory</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>CHEM 212</td>
<td>Organic Chemistry for Science Majors I (5.00)</td>
<td></td>
<td>Lower division credit only</td>
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<tr>
<td>MATH 265</td>
<td>Calculus with Analytic Geometry I (5.00)</td>
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<td>MATH 266</td>
<td>Calculus with Analytic Geometry II (5.00)</td>
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<tr>
<td>MATH 270</td>
<td>Linear Algebra (3.00)</td>
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<tr>
<td>PHYSICS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
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<tr>
<td>PHYSICS 38</td>
<td>Physics for Engineers and Scientists II (5.00)</td>
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</tr>
<tr>
<td>PHYSICS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
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<tr>
<td>PHYSICS 6</td>
<td>General Physics I (4.00)</td>
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<td>General Physics II (4.00)</td>
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<td>MATH 267</td>
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<tr>
<td>PHYSICS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
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<td>General Physics I (4.00)</td>
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<td>PHYSICS 7</td>
<td>General Physics II (4.00)</td>
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</tbody>
</table>
**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

BIOCHEMISTRY-MOLECULAR BIOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

---

**BIOCHEMISTRY-MOLECULAR BIOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B-109C

Mathematics 3A and 3B and 4A and 6A

Physics 6A-6AL-6B-6BL-6C-6CL

---

**PREPARATION FOR THE MAJOR**

**REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
<th>CHEM 101 - General Chemistry I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>CHEM 1AL - General Chemistry Laboratory (2.00)</td>
<td>CHEM 102 - General Chemistry II (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
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<td>CHEM 1B - General Chemistry (3.00)</td>
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<tr>
<td><strong>And</strong></td>
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<tr>
<td>CHEM 1C - General Chemistry (3.00)</td>
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**Required for admission**

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<th>Course Title</th>
<th>Units</th>
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<tr>
<td>EEMB 2</td>
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<td>3.00</td>
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<td>Introductory Biology Laboratory II</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Same-As: MCDB 1BL</td>
<td></td>
</tr>
<tr>
<td>EEMB 3</td>
<td>Introductory Biology III</td>
<td>3.00</td>
</tr>
<tr>
<td>EEMB 3L</td>
<td>Introductory Biology Laboratory III</td>
<td>1.00</td>
</tr>
<tr>
<td>MCDB 1A</td>
<td>Introductory Biology I</td>
<td>4.00</td>
</tr>
<tr>
<td>MCDB 1AL</td>
<td>Introductory Biology Laboratory I</td>
<td>1.00</td>
</tr>
<tr>
<td>MCDB 1B</td>
<td>Introductory Biology II - Physiology</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>- Articulates as a sequence only</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 6AL</td>
<td>Laboratory Methods of Organic Chemistry</td>
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<td>CHEM 6BL</td>
<td>Laboratory Methods of Organic Chemistry</td>
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<tr>
<th>Course Code</th>
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<th>Units</th>
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<tbody>
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<td>CHEM 109A</td>
<td>Organic Chemistry</td>
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course</td>
<td>4.00</td>
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<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course</td>
<td>4.00</td>
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<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
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<td>MATH 6A</td>
<td>Vector Calculus with Applications, First Course</td>
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<td>MATH 265</td>
<td>Calculus with Analytic Geometry I</td>
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<tr>
<td>MATH 266</td>
<td>Calculus with Analytic Geometry II</td>
<td>5.00</td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
<td>3.00</td>
</tr>
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<td>MATH 267</td>
<td>Calculus with Analytic Geometry III</td>
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<td>Description</td>
<td>Credits</td>
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<td>--------------------------------------------------</td>
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</tr>
<tr>
<td>PHYS 6B</td>
<td>Introductory Physics</td>
<td>3.00</td>
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<td><strong>And</strong></td>
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</tr>
<tr>
<td>PHYS 6BL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
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<td><strong>And</strong></td>
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</tr>
<tr>
<td>PHYS 6C</td>
<td>Introductory Physics</td>
<td>3.00</td>
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</tr>
<tr>
<td>PHYS 6CL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
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</tbody>
</table>

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Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

BIOLOGICAL SCIENCES, B.A. & B.S.

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**BIOLOGICAL SCIENCES, B.A. & B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B

Mathematics 3A-3B or 34A-34B

One of the following: PSTAT 5A or PSTAT 5LS or Mathematics 4A

Physics 6A-6AL-6B-6BL-6C-6CL (Physics 6C-6CL not required for the B.A. degree)

**PREPARATION FOR THE MAJOR**

**REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
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<tr>
<td>CHEM 1CL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
</tbody>
</table>
**REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

**EEMB 2** - Introductory Biology II - Ecology and Evolution (3.00)

**EEMB 2L** - Introductory Biology Laboratory II (1.00)

Same-As: MCDB 1BL

**EEMB 3** - Introductory Biology III (3.00)

**EEMB 3L** - Introductory Biology Laboratory III (1.00)

**MCDB 1A** - Introductory Biology I (4.00)

**MCDB 1AL** - Introductory Biology Laboratory I (1.00)

**MCDB 1B** - Introductory Biology II - Physiology (3.00)

  ▪ Articulates as a sequence only

**BIOLOGY 101** - Biodiversity and Ecology (5.00)

**BIOLOGY 102** - Molecular Cell Biology and Evolution (5.00)

**BIOLOGY 103** - Molecular Genetics and Physiology (5.00)

**CHEM 6AL** - Laboratory Methods of Organic Chemistry (3.00)

**CHEM 6BL** - Laboratory Methods of Organic Chemistry (3.00)

**CHEM 211** - Organic Chemistry for Science Majors I (5.00)

**CHEM 212** - Organic Chemistry for Science Majors II (5.00)

**CHEM 109A** - Organic Chemistry (4.00)

**CHEM 109B** - Organic Chemistry (4.00)

**CHEM 211** - Organic Chemistry for Science Majors I (5.00)

  ▪ Lower division credit only

**CHEM 212** - Organic Chemistry for Science Majors II (5.00)

  ▪ Lower division credit only

**MATH 3A** - Calculus with Applications, First Course (4.00)

**MATH 3B** - Calculus with Applications, Second Course (4.00)

**MATH 265** - Calculus with Analytic Geometry I (5.00)

**MATH 266** - Calculus with Analytic Geometry II (5.00)

**MATH 236** - Calculus for Business and Social Science (5.00)
MATH 34A - Calculus for Social and Life Sciences (4.00)

And

MATH 34B - Calculus for Social and Life Sciences (4.00)

PSTAT 5A - Statistics (5.00)  ←  MATH 227 - Statistics (4.00)

Or

PSTAT 5LS - Statistics for Life Sciences (5.00)  ←  No Course Articulated

Or

MATH 4A - Linear Algebra with Applications (4.00)  ←  MATH 270 - Linear Algebra (3.00)

PHYS 6A - Introductory Physics (3.00)

And

PHYS 6AL - Introductory Experimental Physics (1.00)

And

PHYS 6B - Introductory Physics (3.00)

And

PHYS 6BL - Introductory Experimental Physics (1.00)

And

PHYS 6C - Introductory Physics (3.00)

And

PHYS 6CL - Introductory Experimental Physics (1.00)

PHYS 6 - General Physics I (4.00)

And

PHYS 7 - General Physics II (4.00)

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara 2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College 2017-2017 General Catalog, Semester

BIOPSYCHOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

BIOPSYCHOLOGY, B.S.

Please visit the department's website to learn more about this major: www.psych.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Biopsychology, not directly to the major. Admission to the full Biopsychology major is contingent upon fulfilling the following requirements:

1. The courses in Area I must be completed with a grade point average of 2.7 or higher in courses completed at the University of California
2. No course with a grade lower than C- in Area I
3. Not more than one course with a C- in Area I
4. No courses taken PASS/NOT PASS in Areas I and II
5. Students must satisfy Area I and GPA requirement prior to the completion of 144 total quarter units
Only UC grades go into the Pre-Major GPA. Transfer courses taken outside of UC may satisfy Pre-Major requirements, but they are not part of the Pre-Major GPA.

Because the criteria are subject to annual review and revision, transfer students should contact the department to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

I. PRE-MAJOR REQUIREMENTS

Psychology 1*

Mathematics 34A or 3A*

PSTAT 5A or equivalent*

Psychology 10A and 10B (must be taken at UCSB)*

* Students must complete PSY 1, MATH 34A or 3A, PSTAT 5A or equivalent, and CHEM 1A-1AL-1B-1BL prior to enrolling in PSY 10A, and PSY 10A is a prerequisite for PSY 10B. Transfer students should complete these courses prior to transfer so they can take PSY 10A at UCSB as soon as possible after transfer.

II. PREPARATION FOR THE MAJOR

Chemistry 1A-1AL-1BL-1C-1CL*, 6AL-6BL, 109A-109B

MCDB 1A-1AL, MCDB 1B, EEMB 2, and either MCDB 1BL or EEMB 2L

Physics 6A-6AL-6B-6BL-6C-6CL

Mathematics 34B or 3B

* Students must complete PSY 1, MATH 34A or 3A, PSTAT 5A or equivalent, and CHEM 1A-1AL-1B-1BL prior to enrolling in PSY 10A, and PSY 10A is a prerequisite for PSY 10B. Transfer students should complete these courses prior to transfer so they can take PSY 10A at UCSB as soon as possible after transfer.

AREA I - PRE-MAJOR REQUIREMENTS

**REFER TO TOP OF AGREEMENT**
Recommended to be completed prior to transfer

<table>
<thead>
<tr>
<th>PSY 1 - Introduction to Psychology (4.00)</th>
<th>PSYCH 1 - General Psychology I (3.00)</th>
</tr>
</thead>
</table>

**REFER TO TOP OF AGREEMENT**
Recommended to be completed prior to transfer

<table>
<thead>
<tr>
<th>MATH 34A - Calculus for Social and Life Sciences (4.00)</th>
<th>MATH 236 - Calculus for Business and Social Science (5.00)</th>
</tr>
</thead>
</table>

Or

<table>
<thead>
<tr>
<th>MATH 3A - Calculus with Applications, First Course (4.00)</th>
<th>MATH 265 - Calculus with Analytic Geometry I (5.00)</th>
</tr>
</thead>
</table>

**REFER TO TOP OF AGREEMENT**
Recommended to be completed prior to transfer

<table>
<thead>
<tr>
<th>PSTAT 5A - Statistics (5.00)</th>
<th>MATH 227 - Statistics (4.00)</th>
</tr>
</thead>
</table>
**REFER TO TOP OF AGREEMENT**

**PSY 10A** - Research Methods in Psychology (5.00)
This course must be taken at the university after transfer

And

**PSY 10B** - Statistical Methods in Psychology (5.00)
This course must be taken at the university after transfer

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**AREA II - PREPARATION FOR THE MAJOR**

**REFER TO TOP OF AGREEMENT**

Recommended to be completed prior to transfer

**CHEM 1A** - General Chemistry (3.00)

And

**CHEM 1AL** - General Chemistry Laboratory (2.00)

And

**CHEM 1B** - General Chemistry (3.00)

And

**CHEM 1BL** - General Chemistry Laboratory (2.00)

And

**CHEM 1C** - General Chemistry (3.00)

And

**CHEM 1CL** - General Chemistry Laboratory (2.00)

And

**CHEM 101** - General Chemistry I (5.00)

And

**CHEM 102** - General Chemistry II (5.00)

And

**CHEM 211** - Organic Chemistry for Science Majors I (5.00)

And

**CHEM 212** - Organic Chemistry for Science Majors II (5.00)

And

**CHEM 211** - Organic Chemistry for Science Majors I (5.00)
- Lower division credit only

And

**CHEM 212** - Organic Chemistry for Science Majors II (5.00)
- Lower division credit only

And

**BIOLOGY 101** - Biodiversity and Ecology (5.00)

And

**BIOLOGY 102** - Molecular Cell Biology and Evolution (5.00)
MCDB 1A - Introductory Biology I (4.00)

And

MCDB 1AL - Introductory Biology Laboratory I (1.00)

And

MCDB 1B - Introductory Biology II - Physiology (3.00)

And

EEMB 2L - Introductory Biology Laboratory II (1.00)
Same-As: MCDB 1BL

And

EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00)

- If the entire sequence is not completed prior to transfer, students must consult the department advisor prior to enrollment

PHYS 6A - Introductory Physics (3.00)

And

PHYS 6AL - Introductory Experimental Physics (1.00)

And

PHYS 6B - Introductory Physics (3.00)

And

PHYS 6BL - Introductory Experimental Physics (1.00)

And

PHYS 6C - Introductory Physics (3.00)

And

PHYS 6CL - Introductory Experimental Physics (1.00)

PHYS 6 - General Physics I (4.00)

And

PHYS 7 - General Physics II (4.00)

MATH 34B - Calculus for Social and Life Sciences (4.00)

Or

MATH 3B - Calculus with Applications, Second Course (4.00)

MATH 236 - Calculus for Business and Social Science (5.00)

MATH 266 - Calculus with Analytic Geometry II (5.00)

END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

BLACK STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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BLACK STUDIES, B.A.

Please visit the department's website to learn more about this major: www.blackstudies.ucsb.edu

PREPARATION FOR THE MAJOR

Three courses from: Black Studies 1, 3, 4, 7

One course from: Black Studies 5, 6, 14, 15, 33, 38A, 38B, 45, 49A, 49B, 50

One course from: Asian American Studies 1, 2, 3, 4, 5, 8; Chicana/o Studies 1A, 1B, 1C; Comparative Literature 34; Environmental Studies 1, 3; Feminist Studies 20, 30, 40, 50, 60, 80; History 8, 46, 88; Sociology 1

PREPARATION FOR THE MAJOR
### Select 3 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BL ST 1</td>
<td>Introduction to African-American Studies</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>[←] HISTORY 41 - The African-American in the History of the United States I</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>(4.00)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Or</td>
<td></td>
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<tr>
<td></td>
<td>HISTORY 42 - The African-American in the History of the United States II</td>
<td>3.00</td>
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<tr>
<td></td>
<td>(4.00)</td>
<td></td>
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<tr>
<td>BL ST 3</td>
<td>Introduction to African Studies</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
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<tr>
<td>BL ST 4</td>
<td>Critical Introduction to Race and Racism</td>
<td>4.00</td>
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<td></td>
<td>[←] No Course Articulated</td>
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</tr>
<tr>
<td>BL ST 7</td>
<td>Introduction to Caribbean Studies</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
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### Select 1 Course(s) from the following

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BL ST 5</td>
<td>Blacks and Western Civilization</td>
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<td>BL ST 6</td>
<td>The Civil Rights Movement</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
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<tr>
<td>BL ST 14</td>
<td>The History of Jazz</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>[←] MUSIC 141 - Jazz Appreciation</td>
<td>3.00</td>
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<tr>
<td>BL ST 15</td>
<td>Psychology of Blacks</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
<td></td>
</tr>
<tr>
<td>BL ST 33</td>
<td>Major Works of African Literatures</td>
<td>4.00</td>
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<tr>
<td></td>
<td>Same-As: C LIT 33</td>
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<td></td>
<td>[←] No Course Articulated</td>
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<tr>
<td>BL ST 38A</td>
<td>Introduction to African-American Literature (Part I)</td>
<td>4.00</td>
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<td>[←] ENGLISH 234 - African-American Literature I</td>
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<td>BL ST 38B</td>
<td>Introduction to African-American Literature (Part II)</td>
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<tr>
<td>BL ST 45</td>
<td>Black Arts Expressions</td>
<td>4.00</td>
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<td>BL ST 49A</td>
<td>Survey of African History</td>
<td>4.00</td>
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<td>Same-As: HIST 49A</td>
<td></td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
<td></td>
</tr>
<tr>
<td>BL ST 49B</td>
<td>Survey of African History</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>Same-As: HIST 49B</td>
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<td>[←] No Course Articulated</td>
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<tr>
<td>BL ST 50</td>
<td>Blacks in the Media</td>
<td>4.00</td>
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<td>[←] No Course Articulated</td>
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</table>

### Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>AS AM 1</td>
<td>Introduction to Asian American History, 1850-Present</td>
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<td>[←] HISTORY 58 - The Asian American in the History of the United States</td>
<td>3.00</td>
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<td>(4.00)</td>
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<td>AS AM 2</td>
<td>American Migration Since 1965: Asians and Others in the United States</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
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</tr>
<tr>
<td>AS AM 3</td>
<td>Asian American Personality and Identity</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
<td></td>
</tr>
<tr>
<td>AS AM 4</td>
<td>Introduction to Asian American Popular Culture</td>
<td>4.00</td>
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<tr>
<td></td>
<td>[←] No Course Articulated</td>
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<tr>
<td>AS AM 5</td>
<td>Introduction to Asian American Literature</td>
<td>4.00</td>
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<td></td>
<td>[←] No Course Articulated</td>
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<tr>
<td>AS AM 8</td>
<td>Introduction to Asian American Gender and Sexuality</td>
<td>4.00</td>
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<td></td>
<td>[←] No Course Articulated</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
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</tr>
<tr>
<td>CH ST 1A</td>
<td>Introduction to Chicano/a Studies</td>
<td>4.00</td>
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<tr>
<td>CH ST 1B</td>
<td>Introduction to Chicano/a Studies</td>
<td>4.00</td>
</tr>
<tr>
<td>CH ST 1C</td>
<td>Introduction to Chicano/a Studies</td>
<td>4.00</td>
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<tr>
<td>C LIT 34</td>
<td>Literature of the Americas</td>
<td>4.00</td>
</tr>
<tr>
<td>ENV S 1</td>
<td>Introduction to Environmental Studies</td>
<td>4.00</td>
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<tr>
<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment</td>
<td>4.00</td>
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<tr>
<td>FEMST 20</td>
<td>Gender and Power: Introduction to Feminist Studies</td>
<td>4.00</td>
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<tr>
<td>FEMST 30</td>
<td>Women, Development, and Globalization</td>
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<tr>
<td>FEMST 40</td>
<td>Women, Representation, and Cultural Production</td>
<td>5.00</td>
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<tr>
<td>FEMST 50</td>
<td>Global Feminisms and Social Justice</td>
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<tr>
<td>FEMST 60</td>
<td>Women of Color: Race, Class, and Ethnicity</td>
<td>4.00</td>
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<tr>
<td>FEMST 80</td>
<td>Introduction to LGBTQ Studies</td>
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<tr>
<td>HIST 8</td>
<td>Introduction to History of Latin America</td>
<td>4.00</td>
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<td>HIST 46</td>
<td>Survey of Middle Eastern History</td>
<td>4.00</td>
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<tr>
<td>HIST 88</td>
<td>Survey of South Asian History</td>
<td>4.00</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
<td>4.00</td>
</tr>
</tbody>
</table>

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara 2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College 2017-2017 General Catalog, Semester

CELL AND DEVELOPMENTAL BIOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

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**CELL AND DEVELOPMENTAL BIOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B-109C

Mathematics 3A-3B or 34A-34B

One course from: PSTAT 5LS or PSTAT 5A or Mathematics 4A

Physics 6A-6AL-6B-6BL-6C-6CL

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**PREPARATION FOR THE MAJOR**

** REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
<th>And</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1AL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1B - General Chemistry (3.00)</td>
<td>And</td>
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<tr>
<td>CHEM 1BL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1C - General Chemistry (3.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1CL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 101 - General Chemistry I (5.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 102 - General Chemistry II (5.00)</td>
<td>And</td>
</tr>
</tbody>
</table>
**REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

| EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00) | BIOLOGY 101 - Biodiversity and Ecology (5.00) |
| EEMB 2L - Introductory Biology Laboratory II (1.00) | And |
| Same-As: MCDB 1BL | BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00) |
| EEMB 3 - Introductory Biology III (3.00) | And |
| EEMB 3L - Introductory Biology Laboratory III (1.00) | BIOLOGY 103 - Molecular Genetics and Physiology (5.00) |
| MCDB 1A - Introductory Biology I (4.00) | And |
| MCDB 1AL - Introductory Biology Laboratory I (1.00) | And |
| MCDB 1B - Introductory Biology II - Physiology (3.00) | And |
| ▪ Articulates as a sequence only |

| CHEM 6AL - Laboratory Methods of Organic Chemistry (3.00) | CHEM 211 - Organic Chemistry for Science Majors I (5.00) |
| And |
| CHEM 6BL - Laboratory Methods of Organic Chemistry (3.00) | And |

| CHEM 109A - Organic Chemistry (4.00) | CHEM 211 - Organic Chemistry for Science Majors I (5.00) |
| And |
| CHEM 109B - Organic Chemistry (4.00) | ▪ Lower division credit only |
| And |
| CHEM 109C - Organic Chemistry (4.00) | CHEM 212 - Organic Chemistry for Science Majors II (5.00) |
| And |
| ▪ Lower division credit only |

| MATH 3A - Calculus with Applications, First Course (4.00) | MATH 265 - Calculus with Analytic Geometry I (5.00) |
| And |
| MATH 3B - Calculus with Applications, Second Course (4.00) | And |
| Or |

| MATH 236 - Calculus for Business and Social Science (5.00) | And |

| MATH 266 - Calculus with Analytic Geometry II (5.00) | And |
**MATH 34A** - Calculus for Social and Life Sciences (4.00)

**MATH 34B** - Calculus for Social and Life Sciences (4.00)

**PSTAT 5LS** - Statistics for Life Sciences (5.00)  \[\Rightarrow\]  No Course Articulated

**PSTAT 5A** - Statistics (5.00)  \[\Rightarrow\]  **MATH 227** - Statistics (4.00)

**MATH 4A** - Linear Algebra with Applications (4.00)  \[\Rightarrow\]  **MATH 270** - Linear Algebra (3.00)

**PHYS 6A** - Introductory Physics (3.00)  \[\Rightarrow\]  **PHYSICS 6**  - General Physics I (4.00)

**PHYS 6AL** - Introductory Experimental Physics (1.00)

**PHYS 6B** - Introductory Physics (3.00)

**PHYS 6BL** - Introductory Experimental Physics (1.00)

**PHYS 6C** - Introductory Physics (3.00)

**PHYS 6CL** - Introductory Experimental Physics (1.00)

**PHYSICS 7**  - General Physics II (4.00)

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

CHEMICAL ENGINEERING, B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

GENERAL EDUCATION FOR THE COLLEGE OF ENGINEERING

General Education Information: Students should focus on completing major preparation requirements. If time permits, students may also take courses to fulfill either UCSB General Education requirements or IGETC (Intersegmental General Education Transfer Curriculum). Students who will not complete IGETC prior to transfer should refer to the College of Engineering General Education articulation agreement. UCSB’s General Education requirements do not need to be completed prior to transfer, but students who choose to follow College of Engineering General Education should complete two to three General Education courses prior to transfer. For more information concerning satisfaction of UCSB General Education requirements, student may also refer to the General Engineering Academic Requirements (GEAR) publication at https://engineering.ucsb.edu/undergraduate/academic-advising/gear-publications

CHEMICAL ENGINEERING, B.S.
Please visit the department's website to learn more about this major: [www.chemengr.ucsb.edu](http://www.chemengr.ucsb.edu)

**ADMISSION SELECTION CRITERIA:** Applicants to the Chemical Engineering major who complete the equivalent of all the REQUIRED UCSB major preparation courses and as many of the STRONGLY RECOMMENDED courses as possible with a major GPA of 3.6 or higher are the most competitive for admission.

Applicants without all of the REQUIRED courses will be reviewed for admission, but will have less competitive applications.

Courses for the major taken prior to admission must be completed with no grades lower than "C".

**REQUIRED** base preparation courses:

- Math 3A, 3B, 4A, 4B
- Physics 1, 2, 3, 3L
- Chemistry 1A, 1AL, 1B, 1BL, 1C, 1CL
- **Engineering 3**

*For students who are unable to complete a course articulating with Engineering 3, we will accept a course articulating with Computer Science 16 instead of Engineering 3, for admission purposes only. Computer Science 16 does not satisfy a major requirement and the student would still need to take Engineering 3 at UCSB if admitted*

**STRONGLY RECOMMENDED** advanced preparation courses:

- Chemistry 6AL, 6BL, 109A, 109B
- Math 6A, 6B

Additional major preparation courses

- Chemical Engineering 5, 10

You may attend more than one California community college to earn credit for the required major preparation courses if the courses are not offered or if your schedule constrains you from completing them at your own campus. However, it is better to complete a series (such as general chemistry or physics) at a single school.
<table>
<thead>
<tr>
<th>PHYSICS 37 - Physics for Engineers and Scientists I (5.00)</th>
<th>PHYSICS 38 - Physics for Engineers and Scientists II (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHYS 3</strong> - Basic Physics (3.00) <strong>PHYS 3L</strong> - Physics Laboratory (1.00)</td>
<td><strong>CHEM 101</strong> - General Chemistry I (5.00) <strong>CHEM 102</strong> - General Chemistry II (5.00)</td>
</tr>
<tr>
<td><strong>CHEM 1A</strong> - General Chemistry (3.00)</td>
<td><strong>CHEM 109A</strong> - Organic Chemistry (4.00) <strong>CHEM 109B</strong> - Organic Chemistry (4.00)</td>
</tr>
<tr>
<td><strong>CHEM 1AL</strong> - General Chemistry Laboratory (2.00)</td>
<td><strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00)</td>
</tr>
<tr>
<td><strong>CHEM 1B</strong> - General Chemistry (3.00)</td>
<td><strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00)</td>
</tr>
<tr>
<td><strong>CHEM 1BL</strong> - General Chemistry Laboratory (2.00)</td>
<td><strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00)</td>
</tr>
<tr>
<td><strong>CHEM 1C</strong> - General Chemistry (3.00)</td>
<td><strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00)</td>
</tr>
<tr>
<td><strong>CHEM 1CL</strong> - General Chemistry Laboratory (2.00) <strong>An AP exam cannot be used to satisfy this course requirement</strong> <strong>An IB exam cannot be used to satisfy this course requirement</strong></td>
<td><strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00)</td>
</tr>
<tr>
<td><strong>ENGR 3</strong> - Introduction to Programming (3.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**STURONGLY RECOMMENDED ADVANCED PREPARATION COURSES**

<p>| <strong>CHEM 6AL</strong> - Laboratory Methods of Organic Chemistry (3.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 6BL</strong> - Laboratory Methods of Organic Chemistry (3.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organ | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |
| <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) | <strong>CHEM 211</strong> - Organic Chemistry for Science Majors I (5.00) <strong>CHEM 212</strong> - Organic Chemistry for Science Majors II (5.00) |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 6A</td>
<td>Vector Calculus with Applications, First Course</td>
<td>4.00</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 6B</td>
<td>Vector Calculus with Applications, Second Course</td>
<td>4.00</td>
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<tr>
<td>MATH 267</td>
<td>Calculus with Analytic Geometry III</td>
<td>5.00</td>
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## Additional Major Preparation Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CH E 5</td>
<td>Introduction to Chemical Engineering Design</td>
<td>3.00</td>
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<td></td>
</tr>
<tr>
<td>CH E 10</td>
<td>Material and Energy Balances</td>
<td>3.00</td>
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</tbody>
</table>

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
   2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College
   2017-2017 General Catalog, Semester

CHEMISTRY, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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CHEMISTRY, B.A.

Please visit the department's website to learn more about this major: www.chem.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Chemistry, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.00 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

I. PRE-MAJOR REQUIREMENTS

Chemistry 1A-1AL-1B-1BL-1C-1CL
Chemistry 6AL-6BL
Chemistry 109A-109B-109C
Mathematics 3A-3B, 4A
Physics 1-2-3-4 or Physics 6A-6B-6C

II. PREPARATION FOR THE MAJOR

The following courses are not required to be admitted into the Chemistry B.A. major, but are required to complete the major.

Mathematics 6A
Physics 3L-4L or Physics 6AL-6BL-6CL

Students must earn a minimum grade of C- in all major-applicable transfer courses in order to satisfy UCSB major requirements.

PRE-MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
<th>CHEM 101 - General Chemistry I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>And</td>
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<tr>
<td>CHEM 1AL - General Chemistry Laboratory (2.00)</td>
<td>CHEM 102 - General Chemistry II (5.00)</td>
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<tr>
<td>And</td>
<td>And</td>
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<tr>
<td>CHEM 1B - General Chemistry (3.00)</td>
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<tr>
<td>And</td>
<td></td>
</tr>
<tr>
<td>CHEM 1BL - General Chemistry Laboratory (2.00)</td>
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<td>And</td>
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<tr>
<td>CHEM 1C - General Chemistry (3.00)</td>
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<tr>
<td>And</td>
<td></td>
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<tr>
<td>CHEM 1CL - General Chemistry Laboratory (2.00)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CHEM 6AL - Laboratory Methods of Organic Chemistry (3.00)</th>
<th>CHEM 211 - Organic Chemistry for Science Majors I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 6BL - Laboratory Methods of Organic Chemistry (3.00)</td>
<td>CHEM 212 - Organic Chemistry for Science Majors II (5.00)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CHEM 109A - Organic Chemistry (4.00)</th>
<th>CHEM 211 - Organic Chemistry for Science Majors I (5.00)</th>
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</thead>
<tbody>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 109B - Organic Chemistry (4.00)</td>
<td>Lower division credit only</td>
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<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 109C - Organic Chemistry (4.00)</td>
<td>Lower division credit only</td>
</tr>
<tr>
<td>MATH 3A - Calculus with Applications, First Course (4.00)</td>
<td>MATH 265 - Calculus with Analytic Geometry I (5.00)</td>
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</tr>
<tr>
<td>MATH 3B - Calculus with Applications, Second Course (4.00)</td>
<td>MATH 266 - Calculus with Analytic Geometry II (5.00)</td>
</tr>
<tr>
<td>MATH 4A - Linear Algebra with Applications (4.00)</td>
<td>MATH 270 - Linear Algebra (3.00)</td>
</tr>
</tbody>
</table>

**Optional Path**

| PHYS 1 - Basic Physics (4.00) | PHYSICS 37 - Physics for Engineers and Scientists I (5.00) |
| And | And |
| PHYS 2 - Basic Physics (4.00) | PHYSICS 38 - Physics for Engineers and Scientists II (5.00) |
| And | And |
| PHYS 3 - Basic Physics (3.00) | PHYSICS 39 - Physics for Engineers and Scientists III (5.00) |
| And | And |
| PHYS 4 - Basic Physics (3.00) | |

**Or**

| PHYS 6A - Introductory Physics (3.00) | PHYSICS 6 - General Physics I (4.00) |
| And | And |
| PHYS 6B - Introductory Physics (3.00) | PHYSICS 7 - General Physics II (4.00) |
| And | And |
| PHYS 6C - Introductory Physics (3.00) | |

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**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>MATH 6A - Vector Calculus with Applications, First Course (4.00)</th>
<th>MATH 267 - Calculus with Analytic Geometry III (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 3L - Physics Laboratory (1.00)</td>
<td>PHYSICS 37 - Physics for Engineers and Scientists I (5.00)</td>
</tr>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>PHYS 4L - Physics Laboratory (1.00)</td>
<td>PHYSICS 38 - Physics for Engineers and Scientists II (5.00)</td>
</tr>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>PHYSICS 39 - Physics for Engineers and Scientists III (5.00)</td>
<td>And</td>
</tr>
</tbody>
</table>

**Or**

| PHYS 6AL - Introductory Experimental Physics (1.00) | PHYSICS 6 - General Physics I (4.00) |
| And | And |
| PHYS 6BL - Introductory Experimental Physics (1.00) | PHYSICS 7 - General Physics II (4.00) |
| And | And |
| PHYS 6CL - Introductory Experimental Physics (1.00) | |
END OF AGREEMENT
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

CHEMISTRY, B.S.

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CHEMISTRY, B.S.

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I. PRE-MAJOR REQUIREMENTS

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Chemistry 6AL-6BL
Chemistry 109A-109B-109C
Mathematics 3A-3B, 4A
Physics 1-2-3-4

II. PREPARATION FOR THE MAJOR

The following courses are not required to be admitted into the Chemistry B.S. major, but are required to complete the major.

Chemistry 6CL
Mathematics 4B and 6A
Physics 3L-4L

Students must earn a minimum grade of C- in all major-applicable transfer courses in order to satisfy UCSB major requirements.

PRE-MAJOR REQUIREMENTS

| CHEM 1A - General Chemistry (3.00) | CHEM 101 - General Chemistry I (5.00) |
| And |
| CHEM 1AL - General Chemistry Laboratory (2.00) | And |
| CHEM 1B - General Chemistry (3.00) | CHEM 102 - General Chemistry II (5.00) |
| And |
| CHEM 1BL - General Chemistry Laboratory (2.00) | And |
| CHEM 1C - General Chemistry (3.00) | And |
| CHEM 1CL - General Chemistry Laboratory (2.00) |

| CHEM 6AL - Laboratory Methods of Organic Chemistry (3.00) | CHEM 211 - Organic Chemistry for Science Majors I (5.00) |
| And |
| CHEM 6BL - Laboratory Methods of Organic Chemistry (3.00) | And |

| CHEM 109A - Organic Chemistry (4.00) | CHEM 211 - Organic Chemistry for Science Majors I (5.00) |
| And | Lower division credit only |
| CHEM 109B - Organic Chemistry (4.00) | And |
| CHEM 109C - Organic Chemistry (4.00) |

2/3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title and Code</th>
<th>Notes</th>
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<tbody>
<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course (4.00)</td>
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<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course (4.00)</td>
<td></td>
</tr>
<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications (4.00)</td>
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</tr>
<tr>
<td>PHYS 1</td>
<td>Basic Physics (4.00)</td>
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</tr>
<tr>
<td>PHYS 2</td>
<td>Basic Physics (4.00)</td>
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<td>PHYS 3</td>
<td>Basic Physics (3.00)</td>
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<tr>
<td>PHYS 4</td>
<td>Basic Physics (3.00)</td>
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<tr>
<td>CHEM 212</td>
<td>Organic Chemistry for Science Majors II (5.00)</td>
<td>Lower division credit only</td>
</tr>
<tr>
<td>PHYS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
<td>And</td>
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<tr>
<td>PHYS 38</td>
<td>Physics for Engineers and Scientists II (5.00)</td>
<td>And</td>
</tr>
<tr>
<td>PHYS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
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**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title and Code</th>
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</thead>
<tbody>
<tr>
<td>CHEM 6CL</td>
<td>Organic Chemistry Labs (3.00)</td>
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<tr>
<td>MATH 4B</td>
<td>Differential Equations (4.00)</td>
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<td>MATH 6A</td>
<td>Vector Calculus with Applications, First Course (4.00)</td>
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<td>PHYS 3L</td>
<td>Physics Laboratory (1.00)</td>
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<tr>
<td>PHYS 4L</td>
<td>Physics Laboratory (1.00)</td>
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**END OF AGREEMENT**
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

CHICANA AND CHICANO STUDIES, B.A.

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CHICANA AND CHICANO STUDIES, B.A.

Please visit the department's website to learn more about this major: www.chicst.ucsb.edu

PREPARATION FOR THE MAJOR:

Chicana/o Studies 1A-1B-1C

Spanish 3 or equivalent (see Department for clarification)

NOTE FOR NATIVE SPEAKERS

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that
language. Please contact the department about a language proficiency exam. Performance on language proficiency exams may satisfy major requirements.

<table>
<thead>
<tr>
<th>PREPARATION FOR THE MAJOR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CH ST 1A</strong> - Introduction to Chicano/a Studies (4.00)</td>
</tr>
<tr>
<td><strong>CH ST 1B</strong> - Introduction to Chicano/a Studies (4.00)</td>
</tr>
<tr>
<td><strong>CH ST 1C</strong> - Introduction to Chicano/a Studies (4.00)</td>
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</tbody>
</table>

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>SPAN 3 - Elementary Spanish III (4.00)</th>
<th>SPANISH 2 - Elementary Spanish II (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Or equivalent</td>
<td></td>
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</tbody>
</table>

END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

CHINESE, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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CHINESE, B.A.

Please visit the department's website to learn more about this major: www.eastasian.ucsb.edu

PREPARATION FOR THE MAJOR:

Chinese 1, 2, 3, 4, 5, 6 (or equivalent)

- UCSB’s Chinese language courses are not automatically articulated, even if community college courses are listed in the course articulation area. Students must verify their language proficiency with a placement exam. If a student has taken college courses in Chinese, and their score on the placement exam requires them to take a UCSB course that is at the same level as the college course taken elsewhere, then only subject credit will be awarded for UCSB courses that duplicate the courses taken elsewhere.

East Asian Cultural Studies 4A, 4B
NOTE FOR NATIVE SPEAKERS

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HIGH PROFICIENCY TRACK

A High Proficiency Track is available for students who want to pursue the Chinese, B.A. and whose Chinese language proficiency is beyond the CHIN 1-6 level. Please contact the department for more information.

PREPARATION FOR THE MAJOR

**REFER TO TOP OF AGREEMENT**
Articulation is subject to placement by proficiency exam

- **CHIN 1** - Elementary Modern Chinese (5.00)
  And
- **CHIN 2** - Elementary Modern Chinese (5.00)
  And
- **CHIN 3** - Elementary Modern Chinese (5.00)
  Or equivalent
  No Course Articulated

**REFER TO TOP OF AGREEMENT**
Articulation is subject to placement by proficiency exam

- **CHIN 4** - Intermediate Modern Chinese (5.00)
  And
- **CHIN 5** - Intermediate Modern Chinese (5.00)
  And
- **CHIN 6** - Intermediate Modern Chinese (5.00)
  Or equivalent
  No Course Articulated

- **EACS 4A** - East Asian Traditions: Pre-Modern (4.00)
  This course is never articulated

- **EACS 4B** - East Asian Traditions: Modern (4.00)
  This course is never articulated

END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
    2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
    2017-2017 General Catalog, Semester

CLASSICS, B.A. - CLASSICAL ARCHAEOLOGY EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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CLASSICS

Please visit the department's website to learn more about this major: www.classics.ucsb.edu

Classics majors must choose an emphasis in one of three areas: Classical Archaeology, Classical Language and Literature, or Greek and Roman Culture.

CLASSICS, B.A. - CLASSICAL ARCHAEOLOGY EMPHASIS

PREPARATION FOR THE MAJOR:

Greek 1, 2, 3 or Latin 1, 2, 3 (or equivalent)

Classics 20A or 40
Classics 20B
Classics 50 or Anthropology 3
Art History 6A
History 2A or 4A
Writing 109HU

*Students completing courses in a second classical language may substitute up to 8 quarter units of such work for Classics 20A, 20B, and 40.*

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>GREEK 1 - Elementary Greek (5.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>GREEK 2 - Elementary Greek (5.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>GREEK 3 - Intermediate Greek (5.00)</td>
<td>No Course Articulated</td>
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Or

<table>
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<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>LATIN 1 - Elementary Latin (5.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>LATIN 2 - Elementary Latin (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>LATIN 3 - Intermediate Latin (4.00)</td>
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Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CLASS 20A - The Ancient Greeks (4.00)</td>
<td>No Course Articulated</td>
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Or

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<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CLASS 40 - Greek Mythology (4.00)</td>
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<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CLASS 20B - The Romans (4.00)</td>
<td>No Course Articulated</td>
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Or

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<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CLASS 50 - Introduction to Classical Archaeology (4.00)</td>
<td>No Course Articulated</td>
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</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 3 - Introductory Archaeology (5.00)</td>
<td>ANTHRO 103 - Archaeology: Reconstructing the Human Past (3.00)</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHI 6A - Art Survey I: Ancient-Medieval Art (4.00)</td>
<td>ART 101 - Survey of Art History I (3.00)</td>
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</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2A - World History (4.00)</td>
<td>HISTORY 86 - Introduction to World Civilization I (3.00)</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
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</tr>
<tr>
<td>HIST 4A</td>
<td>Western Civilization (4.00)</td>
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</tr>
<tr>
<td>Writt 109HU</td>
<td>Writing for the Humanities (4.00)</td>
</tr>
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</table>

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
General Catalog, Quarter

From: Golden West College
General Catalog, Semester

CLASSICS, B.A. - CLASSICAL LANGUAGE AND LITERATURE EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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CLASSICS

Please visit the department's website to learn more about this major: www.classics.ucsb.edu

Classics majors must choose an emphasis in one of three areas: Classical Archaeology, Classical Language and Literature, or Greek and Roman Culture.

CLASSICS, B.A. - CLASSICAL LANGUAGE AND LITERATURE EMPHASIS

PREPARATION FOR THE MAJOR:

Greek 1, 2, 3, 100, 101 or Latin 1, 2, 3, 100, 101 (or equivalent)

Classics 20A or 40
Classes 20B

History 2A or 4A

Writing 109HU

*Students completing courses in a second classical language may substitute up to 8 quarter units of such work for Classics 20A, 20B, and 40.*

**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Articulated</th>
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</thead>
<tbody>
<tr>
<td>GREEK 1 - Elementary Greek (5.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>GREEK 2 - Elementary Greek (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>GREEK 3 - Intermediate Greek (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>GREEK 100 - Introduction to Greek Prose (4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>GREEK 101 - Introduction to Greek Poetry (4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td><strong>Or</strong></td>
<td></td>
</tr>
<tr>
<td>LATIN 1 - Elementary Latin (5.00)</td>
<td>No Course Articulated</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
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<tr>
<td>LATIN 2 - Elementary Latin (4.00)</td>
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<td><strong>And</strong></td>
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<td><strong>And</strong></td>
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</tr>
<tr>
<td>LATIN 100 - Introduction to Latin Prose (4.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>LATIN 101 - Introduction to Latin Poetry (4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td><strong>Or</strong></td>
<td></td>
</tr>
<tr>
<td>CLASS 20A - The Ancient Greeks (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>Or</strong></td>
<td></td>
</tr>
<tr>
<td>CLASS 40 - Greek Mythology (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>CLASS 20B - The Romans (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>HIST 2A - World History (4.00)</td>
<td>HIST G161 - World History 1 (3.00)</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<td>--------------------------------------------------</td>
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<tr>
<td>HIST 4A</td>
<td>Western Civilization (4.00)</td>
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<tr>
<td>HIST G180</td>
<td>Western Civilization 1 (3.00)</td>
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**Or**

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<tr>
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<tbody>
<tr>
<td>WRIT 109HU</td>
<td>Writing for the Humanities (4.00)</td>
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</tr>
<tr>
<td>This course is never articulated</td>
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</tbody>
</table>

**END OF AGREEMENT**
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

CLASSICS, B.A. - GREEK AND ROMAN CULTURE EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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CLASSICS

Please visit the department's website to learn more about this major: www.classics.ucsb.edu

Classics majors must choose an emphasis in one of three areas: Classical Archaeology, Classical Language and Literature, or Greek and Roman Culture.

CLASSICS, B.A. - GREEK AND ROMAN CULTURE EMPHASIS

PREPARATION FOR THE MAJOR:

Classics 20A and 20B

Language requirement: Completion of Greek 3 or Latin 3
Writing 109HU

Greek and Roman Culture majors are also encouraged to use their General Education requirements to take related lower-division courses in Anthropology (2, 3), Classics (36, 39, 40, 50), Comparative Literature (30A), History of Art and Architecture (6A), History (2A, 4A), Philosophy (20A), and Religious Studies (80A).

### PREPARATION FOR THE MAJOR

| CLASS 20A - The Ancient Greeks (4.00) | No Course Articulated |
| CLASS 20B - The Romans (4.00) | No Course Articulated |
| GREEK 3 - Intermediate Greek (5.00) | No Course Articulated |
| LATIN 3 - Intermediate Latin (4.00) | No Course Articulated |
| WRIT 109HU - Writing for the Humanities (4.00) | This course is never articulated |

### RECOMMENDED GENERAL EDUCATION COURSES

**REFER TO TOP OF AGREEMENT**

| ANTH 2 - Introductory Cultural Anthropology (4.00) | ANTHRO 102 - Human Ways of Life: Cultural Anthropology (3.00) |
| ANTH 3 - Introductory Archaeology (5.00) | ANTHRO 103 - Archaeology: Reconstructing the Human Past (3.00) |
| CLASS 36 - The World of Heroes (4.00) | No Course Articulated |
| CLASS 39 - Gender and Sexuality in Greece and Rome (4.00) | No Course Articulated |
| CLASS 40 - Greek Mythology (4.00) | No Course Articulated |
| CLASS 50 - Introduction to Classical Archaeology (4.00) | No Course Articulated |
| CLIT 30A - Major Works in European Literature (4.00) | No Course Articulated |
| ARTHI 6A - Art Survey I: Ancient-Medieval Art (4.00) | ART 101 - Survey of Art History I (3.00) |
| HIST 2A - World History (4.00) | HISTORY 86 - Introduction to World Civilization I (3.00) |
| HIST 4A - Western Civilization (4.00) | HISTORY 1 - Introduction to Western Civilization I (3.00) |
| PHIL 20A - History of Philosophy (4.00) | No Course Articulated |
| RG ST 80A - Religion and Western Civilization I: Ancient (4.00) | No Course Articulated |
END OF AGREEMENT
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

COMMUNICATION, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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COMMUNICATION, B.A.

Please visit the department's website to learn more about this major: www.comm.ucsb.edu

PRE-MAJOR INFORMATION:

Students are admitted initially to Pre-Communication, not directly to the major. Students will be admitted to full Communication major status only after they complete Communication 1, 87, 88, and 89 with no grade below C- and with a grade point average of at least 3.00 for those courses completed at the University of California. (Only UC grades go into the pre-major GPA. Transfer courses taken outside of UC may satisfy pre-major requirements, but they are not part of the pre-major GPA.)

Upon successful completion of the pre-major course requirements, students may petition to full major status, generally prior to the accumulation of 100 quarter units, but not after the completion of 144 quarter units. Admission to the pre-major does not guarantee admission to the Communication major, regardless of the number and outcome of upper division Communication units taken.
**PRE-MAJOR REQUIREMENTS:**

Communication 1
Communication 87
Communication 88
Communication 89

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**PRE-MAJOR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td><strong>COMM 1</strong> - Introduction to Communication (5.00)</td>
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<td>No Course Articulated</td>
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<tr>
<td><strong>COMM 87</strong> - Statistical Analysis for Communication (5.00)</td>
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<td>MATH 227 - Statistics (4.00)</td>
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<td>• Acceptable substitute</td>
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<td></td>
<td>STAT 1 - Elementary Statistics I for the Social Sciences (3.00)</td>
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<td>• Acceptable substitute</td>
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<tr>
<td><strong>PSTAT 5A</strong> - Statistics (5.00)</td>
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<td>MATH 227 - Statistics (4.00)</td>
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<tr>
<td><strong>PSY 5</strong> - Introductory Statistics (5.00)</td>
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<td>MATH 227 - Statistics (4.00)</td>
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<td>• Acceptable substitute</td>
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<td>• Acceptable substitute</td>
</tr>
<tr>
<td><strong>COMM 88</strong> - Communication Research Methods (5.00)</td>
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<td>No Course Articulated</td>
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<tr>
<td><strong>COMM 89</strong> - Theories of Communication (5.00)</td>
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<td>No Course Articulated</td>
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</table>

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**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
   2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
   2017-2017 General Catalog, Semester

COMPARATIVE LITERATURE, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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COMPARATIVE LITERATURE, B.A.

Please visit the department's website to learn more about this major: www.complit.ucsb.edu

Comparative Literature students must select one of two emphases: Foreign Language Emphasis or Interdisciplinary Emphasis. The preparation for the major listed below is the same for both emphases.

PREPARATION FOR THE MAJOR:

A. Level 1-6 of a foreign language (six quarters or four semesters of beginning and intermediate level foreign language, or equivalent)

B. Two courses from Comparative Literature 30A-B-C, 31, 32, 33, 34, 35, 36 (by petition, students may substitute, with prior consultation with the departmental advisor, one other literature course for one of these courses)

Highly recommended: three courses from the following to create a complete A-B-C series: Art History 6A-B-C; History 2A-B-C, 4A-B-C; Philosophy 20A-B-C; Religious Studies 80A-B-C
NOTE FOR NATIVE SPEAKERS

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PREPARATION FOR THE MAJOR

**REFER TO TOP OF AGREEMENT**

| Completion of the sixth quarter or fourth semester (or equivalent) of a foreign language | No Course Articulated |

Select 2 Course(s) from the following

- **C LIT 30A** - Major Works in European Literature (4.00)
- **C LIT 30B** - Major Works in European Literature (4.00)
- **C LIT 30C** - Major Works in European Literature (4.00)
- **C LIT 31** - Major Works of Asian Literatures (4.00)
- **C LIT 32** - Major Works of Middle Eastern Literatures (4.00)
- **C LIT 33** - Major Works of African Literatures (4.00)
  Same-As: BL ST 33
- **C LIT 34** - Literature of the Americas (4.00)
- **C LIT 35** - The Making of the Modern World (4.00)
- **C LIT 36** - Global Humanities (4.00)

HIGHLY RECOMMENDED

Select 1 Sequence(s) from the following

- **ARTHI 6A** - Art Survey I: Ancient-Medieval Art (4.00)
  And
  **ART 101** - Survey of Art History I (3.00)

  And

- **ARTHI 6B** - Art Survey II: Renaissance-Baroque Art (4.00)
  And
  **ART 101** - Survey of Art History I (3.00)
  And
  **ART 102** - Survey of Art History II (3.00)
<table>
<thead>
<tr>
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<tr>
<td>ARTHI 6C</td>
<td>Art Survey III: Modern-Contemporary Art (4.00)</td>
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<tr>
<td>ART 102</td>
<td>Survey of Art History II (3.00)</td>
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<tr>
<td>HIST 2A</td>
<td>World History (4.00)</td>
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<td>HIST 2B</td>
<td>World History (4.00)</td>
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<tr>
<td>HIST 2C</td>
<td>World History (4.00)</td>
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<tr>
<td>HIST 86</td>
<td>Introduction to World Civilization I (3.00)</td>
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<td>HIST 87</td>
<td>Introduction to World Civilization II (3.00)</td>
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<tr>
<td>HIST 4A</td>
<td>Western Civilization (4.00)</td>
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<td>HIST 4B</td>
<td>Western Civilization (4.00)</td>
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<td>Introduction to Western Civilization I (3.00)</td>
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<td>HIST 2</td>
<td>Introduction to Western Civilization II (3.00)</td>
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<td>History of Philosophy (4.00)</td>
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<td>PHIL 20B</td>
<td>History of Philosophy (4.00)</td>
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<td>PHIL 20C</td>
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<tr>
<td>RG ST 80A</td>
<td>Religion and Western Civilization I: Ancient (4.00)</td>
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<tr>
<td>RG ST 80B</td>
<td>Religion and Western Civilization II: Medieval (4.00)</td>
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<tr>
<td>RG ST 80C</td>
<td>Religion and Western Civilization III: Modern (4.00)</td>
<td></td>
</tr>
</tbody>
</table>

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara  
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College  
2017-2017 General Catalog, Semester

COMPUTER ENGINEERING, B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

GENERAL EDUCATION FOR THE COLLEGE OF ENGINEERING

**General Education Information:** Students should focus on completing major preparation requirements. If time permits, students may also take courses to fulfill either UCSB General Education requirements or IGETC (Interssegmental General Education Transfer Curriculum). Students who will not complete IGETC prior to transfer should refer to the College of Engineering General Education articulation agreement. UCSB’s General Education requirements do not need to be completed prior to transfer, but students who choose to follow College of Engineering General Education should complete two to three General Education courses prior to transfer. For more information concerning satisfaction of UCSB General Education requirements, student may also refer to the General Engineering Academic Requirements (GEAR) publication at https://engineering.ucsb.edu/undergraduate/academic-advising/gear-publications

COMPUTER ENGINEERING, B.S.
Please visit the department's website to learn more about this major: [www.ce.ucsb.edu](http://www.ce.ucsb.edu)

**ADMISSION SELECTION CRITERIA:** Applicants to the Computer Engineering major who complete the equivalent of all the **REQUIRED** UCSB major preparation courses and as many of the **STRONGLY RECOMMENDED** courses as possible with a major GPA of 3.6 or higher are the most competitive for admission.

Applicants without all of the **REQUIRED** courses will be reviewed for admission, but will have less competitive applications.

Courses for the major taken prior to admission must be completed with no grades lower than "C".

**REQUIRED** base preparation courses:

- Math 3A, 3B, 4A, 4B
- Physics 1, 2, 3, 3L
- Computer Science 16, 24

**STRONGLY RECOMMENDED** advanced preparation courses:

- Computer Science 32, 40
- Electrical and Computer Engineering 15A
- Chemistry 1A, 1AL

Additional major preparation courses:

- Physics 4, 4L
- Electrical and Computer Engineering 1A, 1B, 10A, 10AL, 10B, 10BL, 10C, 10CL

You may attend more than one California community college to earn credit for the required major preparation courses if the courses are not offered or if your schedule constrains you from completing them at your own campus. However, it is better to complete the physics series at a single school.
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<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td>PHYS 3</td>
<td>Basic Physics (3.00)</td>
<td>And PHYS 3L - Physics Laboratory (1.00)</td>
</tr>
<tr>
<td>CMPSC 16</td>
<td>Problem Solving with Computers I (4.00)</td>
<td>CO SCI 340 - Object Oriented Programming in C+ (3.00)</td>
</tr>
<tr>
<td>CMPSC 24</td>
<td>Problem Solving with Computers II (4.00)</td>
<td>No Course Articulated</td>
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**STRONGLY RECOMMENDED ADVANCED PREPARATION COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td>CMPSC 32</td>
<td>Object Oriented Design and Implementation (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>CMPSC 40</td>
<td>Foundations of Computer Science (5.00)</td>
<td>CO SCI 942 - Discrete Structure (3.00)</td>
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<tr>
<td>ECE 15A</td>
<td>Fundamentals of Logic Design (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry (3.00)</td>
<td>CHEM 1AL - General Chemistry Laboratory (2.00) - An AP exam cannot be used to satisfy this course requirement - An IB exam cannot be used to satisfy this course requirement</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 4</td>
<td>Basic Physics (3.00)</td>
<td>And PHYS 4L - Physics Laboratory (1.00)</td>
</tr>
<tr>
<td>PHYS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
<td>And PHYS 38 - Physics for Engineers and Scientists II (5.00)</td>
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<tr>
<td>PHYS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
<td>And PHYS 38 - Physics for Engineers and Scientists II (5.00)</td>
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<tr>
<td>ECE 1A</td>
<td>Computer Engineering Seminar (1.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ECE 1B</td>
<td>Ten Puzzling Problems in Computer Engineering (1.00)</td>
<td>No Course Articulated</td>
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</table>
ECE 10A - Foundations of Analog and Digital Circuits and Systems (3.00)

And

ECE 10AL - Foundations of Analog and Digital Circuits and Systems Lab (2.00)

No Course Articulated

ECE 10B - Foundations of Analog and Digital Circuits and Systems (3.00)

And

ECE 10BL - Foundations of Analog and Digital Circuits and Systems Lab (2.00)

No Course Articulated

ECE 10C - Foundations of Analog and Digital Circuits and Systems (3.00)

And

ECE 10CL - Foundations of Analog and Digital Circuits and Systems Lab (2.00)

No Course Articulated

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

COMPUTER SCIENCE, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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GENERAL EDUCATION FOR THE COLLEGE OF ENGINEERING

General Education Information: Students should focus on completing major preparation requirements. If time permits, students may also take courses to fulfill either UCSB General Education requirements or IGETC (Intersegmental General Education Transfer Curriculum). Students who will not complete IGETC prior to transfer should refer to the College of Engineering General Education articulation agreement. UCSB’s General Education requirements do not need to be completed prior to transfer, but students who choose to follow College of Engineering General Education should complete two to three General Education courses prior to transfer. For more information concerning satisfaction of UCSB General Education requirements, student may also refer to the General Engineering Academic Requirements (GEAR) publication at https://engineering.ucsb.edu/undergraduate/academic-advising/gear-publications

COMPUTER SCIENCE, B.S.
Please visit the department's website to learn more about this major: [www.cs.ucsb.edu](http://www.cs.ucsb.edu)

**ADMISSION SELECTION CRITERIA:** Applicants to the Computer Science major who complete the equivalent of all the **REQUIRED** UCSB major preparation courses and as many of the **STRONGLY RECOMMENDED** courses as possible with a major GPA of 3.6 or higher are the most competitive for admission.

Applicants without all of the **REQUIRED** courses will be reviewed for admission, but will have less competitive applications.

Courses for the major taken prior to admission must be completed with no grades lower than "C".

**REQUIRED** base preparation courses:

- Math 3A, 3B, 4A, 4B
- Physics 1, 2, 3, 3L
- Computer Science 16, 24, 40

**STRONGLY RECOMMENDED** advanced preparation courses:

- Computer Science 32, 64
- Math 6A

**Additional major preparation courses:**

- Computer Science 48, 56
- PSTAT 120A

You may attend more than one California community college to earn credit for the required major preparation courses if the courses are not offered or if your schedule constrains you from completing them at your own campus. However, it is better to complete the physics series at a single school.

### REQUIRED BASE PREPARATION COURSES

| MATH 3A - Calculus with Applications, First Course (4.00) | MATH 265 - Calculus with Analytic Geometry I (5.00) |
| MATH 3B - Calculus with Applications, Second Course (4.00) | MATH 266 - Calculus with Analytic Geometry II (5.00) |
| MATH 4A - Linear Algebra with Applications (4.00) | MATH 270 - Linear Algebra (3.00) |
| MATH 4B - Differential Equations (4.00) | MATH 275 - Ordinary Differential Equations (3.00) |
| PHYS 1 - Basic Physics (4.00) | PHYSICS 37 - Physics for Engineers and Scientists I (5.00) |
| PHYS 2 - Basic Physics (4.00) | PHYSICS 37 - Physics for Engineers and Scientists I (5.00) |

And
| PHYSICS 3 - Basic Physics (3.00)  | PHYSICS 38 - Physics for Engineers and Scientists II (5.00) |
| And | |
| PHYS 3L - Physics Laboratory (1.00) |

| CMPSC 16 - Problem Solving with Computers I (4.00) | CO SCI 340 - Object Oriented Programming in C++ (3.00) |
| CMPSC 24 - Problem Solving with Computers II (4.00) | No Course Articulated |
| CMPSC 40 - Foundations of Computer Science (5.00) | CO SCI 942 - Discrete Structure (3.00) |

**STRONGLY RECOMMENDED ADVANCED PREPARATION COURSES**

| CMPSC 32 - Object Oriented Design and Implementation (4.00) | No Course Articulated |
| CMPSC 64 - Computer Organization and Logic Design (4.00) | No Course Articulated |
| MATH 6A - Vector Calculus with Applications, First Course (4.00) | MATH 267 - Calculus with Analytic Geometry III (5.00) |

**ADDITIONAL MAJOR PREPARATION COURSES**

| CMPSC 48 - Computer Science Project (4.00) | No Course Articulated |
| CMPSC 56 - Advanced Applications Programming (4.00) | No Course Articulated |
| PSTAT 120A - Probability and Statistics (4.00) | This course is never articulated |

**END OF AGREEMENT**
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

DANCE, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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campus admission selection criteria. Completing the UC transfer admission requirements in English and
mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive
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graduation after transfer.

Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information
concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth
articulation agreement.

DANCE, B.A.

Please visit the department's website to learn more about this major: www.theaterdance.ucsb.edu

An audition is required for admission to Dance, B.A. - applicants must audition in January or February. See the
website for more information.

PREPARATION FOR THE MAJOR

Dance 36
Dance 45
Dance 50 and 51

Freshman level technique: Dance 47A-B-C and 56A-B-C (audition required for placement)*

Sophomore level technique: Dance 47D-E-F and 56D-E-F (audition required for placement)*
Theater 19

One unit Theater 29D and one additional unit from Theater 29A-B-C**

Music 15

* An audition is required for placement in dance courses. Major credit for California community college courses will be awarded based on audition performance.

** Practicum and workshop equivalent courses will not automatically substitute for major credit until UCSB’s Theater and Dance department verifies that course topic was covered.

## PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Articulation</th>
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<tbody>
<tr>
<td>DANCE 36</td>
<td>History of Modern Dance (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 45</td>
<td>History and Appreciation of Dance (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>DANCE 50</td>
<td>Fundamentals of Choreography (3.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>DANCE 51</td>
<td>Improvisation (3.00)</td>
<td>No Course Articulated</td>
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**REFER TO TOP OF AGREEMENT**

Placement by audition

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<th>Course</th>
<th>Description</th>
<th>Articulation</th>
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<tbody>
<tr>
<td>DANCE 47A</td>
<td>Ballet I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td>DANCE 47B</td>
<td>Ballet I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 47C</td>
<td>Ballet I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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Placement by audition

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<tr>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>DANCE 56A</td>
<td>Modern Dance I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 56B</td>
<td>Modern Dance I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 56C</td>
<td>Modern Dance I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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Placement by audition

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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>DANCE 47D</td>
<td>Ballet II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td>DANCE 47E</td>
<td>Ballet II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td>DANCE 47F</td>
<td>Ballet II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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Placement by audition

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<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>DANCE 56D</td>
<td>Modern Dance II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 56E</td>
<td>Modern Dance II (2.00 - 4.00)</td>
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<tr>
<td>DANCE 56F</td>
<td>Modern Dance II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td>THTR 19</td>
<td>Design Fundamentals for Dance and Theatre (4.00)</td>
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<td>THTR 29D</td>
<td>Run Crew Practicum (1.00)</td>
<td>No Course Articulated</td>
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<td>Articulates only with approval from</td>
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<td>department chair or advisor</td>
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<tbody>
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<td>THTR 29A</td>
<td>Scenic Practicum (1.00)</td>
<td>No Course Articulated</td>
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<td>Articulates only with approval from</td>
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<tr>
<td></td>
<td>department chair or advisor</td>
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Or

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<tr>
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<th>Course Title</th>
<th>Articulation</th>
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</thead>
<tbody>
<tr>
<td>THTR 29B</td>
<td>Lighting Practicum (1.00)</td>
<td>No Course Articulated</td>
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<tr>
<td></td>
<td>Articulates only with approval from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>department chair or advisor</td>
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</table>

Or

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
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</thead>
<tbody>
<tr>
<td>THTR 29C</td>
<td>Costume Practicum (1.00)</td>
<td>No Course Articulated</td>
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<td></td>
<td>Articulates only with approval from</td>
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<tr>
<td></td>
<td>department chair or advisor</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
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</thead>
<tbody>
<tr>
<td>MUS 15</td>
<td>Music Appreciation (4.00)</td>
<td>MUSIC 111 - Music Appreciation I (3.00)</td>
</tr>
</tbody>
</table>

**END OF AGREEMENT**
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

DANCE, B.F.A.

GENERAL INFORMATION FOR ALL MAJORS

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DANCE, B.F.A.

Please visit the department's website to learn more about this major: www.thaterdance.ucsb.edu

Entry into the B.F.A. program is by recommendation of dance faculty for currently enrolled students, and by special audition at the beginning of the junior year for transfer students. Completion of the program depends upon successful progress and recommendation of the dance faculty. Assessment of a B.F.A. student's progress is made on a quarterly basis, and provision is made for students who appear unable to complete the B.F.A. program requirements to graduate with the less specialized B.A. degree, providing they maintain the standards for that degree.

PREPARATION FOR THE MAJOR

Dance 36
Dance 45
Dance 50 and 51
Freshman level technique: Dance 47A-B-C and 56A-B-C *(audition required for placement)*

Sophomore level technique: Dance 47D-E-F and 56D-E-F *(audition required for placement)*

Dance 70

Theater 5

Theater 19 and 23D

One unit Theater 29D and one additional unit from Theater 29A-B-C **

Music 15

*A an audition is required for placement in dance courses. Major credit for California community college courses will be awarded based on audition performance.

** Practicum and workshop equivalent courses will not automatically substitute for major credit until UCSB's Theater and Dance department verifies that course topic was covered.

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANCE 36</td>
<td>History of Modern Dance (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 45</td>
<td>History and Appreciation of Dance (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 50</td>
<td>Fundamentals of Choreography (3.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 51</td>
<td>Improvisation (3.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**REFER TO TOP OF AGREEMENT**

Placement by audition

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANCE 47A</td>
<td>Ballet I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 47B</td>
<td>Ballet I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 47C</td>
<td>Ballet I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
</tbody>
</table>

**REFER TO TOP OF AGREEMENT**

Placement by audition

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANCE 56A</td>
<td>Modern Dance I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 56B</td>
<td>Modern Dance I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 56C</td>
<td>Modern Dance I (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
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</table>

**REFER TO TOP OF AGREEMENT**

Placement by audition

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANCE 47D</td>
<td>Ballet II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>DANCE 47E</td>
<td>Ballet II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
</tr>
</tbody>
</table>
DANCE 47F - Ballet II (2.00 - 4.00)  This course is never articulated

**REFER TO TOP OF AGREEMENT**
Placement by audition

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Articulation Details</th>
</tr>
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<tbody>
<tr>
<td>DANCE 56D - Modern Dance II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
<td></td>
</tr>
<tr>
<td>DANCE 56E - Modern Dance II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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</tr>
<tr>
<td>DANCE 56F - Modern Dance II (2.00 - 4.00)</td>
<td>This course is never articulated</td>
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<tr>
<td>DANCE 70 - Music for Dance: Rhythm (3.00)</td>
<td>No Course Articulated</td>
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</tr>
<tr>
<td>THTR 5 - Introduction to Acting (3.00)</td>
<td>THEATER 200 - Introduction to Acting (3.00) Or THEATER 270 - Beginning Acting (3.00)</td>
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</tr>
<tr>
<td>THTR 19 - Design Fundamentals for Dance and Theatre (4.00)</td>
<td>No Course Articulated</td>
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</tr>
<tr>
<td>THTR 23D - Dance Lighting Design (3.00)</td>
<td>No Course Articulated</td>
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</tr>
<tr>
<td>THTR 29D - Run Crew Practicum (1.00)</td>
<td>No Course Articulated</td>
<td>Articulates only with approval from department chair or advisor</td>
</tr>
<tr>
<td>THTR 29A - Scenic Practicum (1.00)</td>
<td>No Course Articulated</td>
<td>Articulates only with approval from department chair or advisor</td>
</tr>
<tr>
<td>THTR 29B - Lighting Practicum (1.00)</td>
<td>No Course Articulated</td>
<td>Articulates only with approval from department chair or advisor</td>
</tr>
<tr>
<td>THTR 29C - Costume Practicum (1.00)</td>
<td>No Course Articulated</td>
<td>Articulates only with approval from department chair or advisor</td>
</tr>
<tr>
<td>MUS 15 - Music Appreciation (4.00)</td>
<td>MUSIC 111 - Music Appreciation I (3.00)</td>
<td></td>
</tr>
</tbody>
</table>

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
   2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College
   2017-2017 General Catalog, Semester

EARTH SCIENCE, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

EARTH SCIENCE

Please visit the department's website to learn more about this major: www.geol.ucsb.edu

An initial consultation with a departmental advisor is essential before embarking on the Earth Science major.

A grade of C- or better is required in all courses in the major preparation.

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Earth Science, not directly to the major. Admission to the full major is contingent upon completion of the pre-major courses with a combined GPA of at least 2.3 in those courses completed at the University of California. The pre-major courses are EARTH 2, EARTH 3 or 4 (EARTH 3 for the Earth Science, B.A. and for the Geology and Paleobiology Emphases), CHEM 1A & 1AL, and MATH 3A (or MATH 34A for the Paleobiology Emphasis).
PREPARATION FOR THE MAJOR:

Earth 2 and 3 and 18
Chemistry 1A-1AL-1B-1BL-1C-1CL
Mathematics 3A and 3B and 4A and 4B
Physics 1-2-3-4 or Physics 6A-6AL-6B-6BL-6C-6CL

RECOMMENDED:

PSTAT 5A
Engineering 3 or another course in computer programming

PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>EARTH 2 - Principles of Physical Geology (4.00)</th>
<th>GEOLOGY 1 - Physical Geology (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOMETRY 6 - Physical Geology Laboratory (2.00)</td>
<td>And</td>
</tr>
</tbody>
</table>

| EARTH 3 - Principles of Historical Geology (4.00) | No Course Articulated |

| EARTH 18 - Field Studies in Geological Sciences (1.00) | No Course Articulated |

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
<th>CHEM 101 - General Chemistry I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1AL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1B - General Chemistry (3.00)</td>
<td>CHEM 102 - General Chemistry II (5.00)</td>
</tr>
<tr>
<td>CHEM 1BL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1C - General Chemistry (3.00)</td>
<td>And</td>
</tr>
<tr>
<td>CHEM 1CL - General Chemistry Laboratory (2.00)</td>
<td>And</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------------</td>
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<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course (4.00)</td>
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<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course (4.00)</td>
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<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications (4.00)</td>
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<tr>
<td>MATH 4B</td>
<td>Differential Equations (4.00)</td>
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<tr>
<td>PHYS 1</td>
<td>Basic Physics (4.00)</td>
</tr>
<tr>
<td>PHYS 2</td>
<td>Basic Physics (4.00)</td>
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<td>PHYS 4</td>
<td>Basic Physics (3.00)</td>
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<td>PHYS 6A</td>
<td>Introductory Physics (3.00)</td>
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<tr>
<td>PHYS 6AL</td>
<td>Introductory Experimental Physics (1.00)</td>
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<tr>
<td>PHYS 6B</td>
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<td>PHYS 6C</td>
<td>Introductory Physics (3.00)</td>
</tr>
<tr>
<td>PHYS 6CL</td>
<td>Introductory Experimental Physics (1.00)</td>
</tr>
<tr>
<td>PHYS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
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<tr>
<td>PHYS 38</td>
<td>Physics for Engineers and Scientists II (5.00)</td>
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<td>PHYS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
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<td>General Physics I (4.00)</td>
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<td>PHYS 7</td>
<td>General Physics II (4.00)</td>
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<tr>
<td>PSTAT 5A</td>
<td>Statistics (5.00)</td>
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<tr>
<td>ENGR 3</td>
<td>Introduction to Programming (3.00)</td>
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<tr>
<td>CMPSC 8</td>
<td>Introduction to Computer Science (4.00)</td>
</tr>
<tr>
<td>CO SCI 344</td>
<td>Introduction to JAVA (3.00)</td>
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</table>

**Recommended Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MATH 265</td>
<td>Calculus with Analytic Geometry I (5.00)</td>
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</tr>
<tr>
<td>MATH 266</td>
<td>Calculus with Analytic Geometry II (5.00)</td>
<td></td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra (3.00)</td>
<td></td>
</tr>
<tr>
<td>MATH 275</td>
<td>Ordinary Differential Equations (3.00)</td>
<td></td>
</tr>
<tr>
<td>PHYSICS 6</td>
<td>General Physics I (4.00)</td>
<td></td>
</tr>
<tr>
<td>PHYSICS 7</td>
<td>General Physics II (4.00)</td>
<td></td>
</tr>
<tr>
<td>MATH 227</td>
<td>Statistics (4.00)</td>
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</tr>
<tr>
<td>ENGR 3</td>
<td>Introduction to Programming (3.00)</td>
<td></td>
</tr>
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</tbody>
</table>
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From: Los Angeles Harbor College
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EARTH SCIENCE, B.S. - CLIMATE AND ENVIRONMENT EMPHASIS

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## Preparation for the Major:

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- Earth 3 or 4
- Earth 18
- Chemistry 1A-1AL-1B-1BL-1C-1CL
- Math 3A and 3B and 4A and 4B
- Physics 1-2-3-4 or Physics 6A-6AL-6B-6BL-6C-6CL

## Recommended:

- Math 6A and 6B
- PSTAT 5A
- Engineering 3
- WRIT 109 ST

### Preparation for the Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>EARTH 2</td>
<td>Principles of Physical Geology</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>GEOLOGY 1</td>
<td>Physical Geology (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOLOGY 6</td>
<td>Physical Geology Laboratory (2.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EARTH 3</td>
<td>Principles of Historical Geology</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>EARTH 4</td>
<td>Introduction to Oceanography</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>OCEANO 1</td>
<td>Introduction to Oceanography (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EARTH 18</td>
<td>Field Studies in Geological Sciences (1.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I (5.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II (5.00)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CHEM 1A - General Chemistry (3.00)
And
CHEM 1AL - General Chemistry Laboratory (2.00)
And
CHEM 1B - General Chemistry (3.00)
And
CHEM 1BL - General Chemistry Laboratory (2.00)
And
CHEM 1C - General Chemistry (3.00)
And
CHEM 1CL - General Chemistry Laboratory (2.00)

MATH 3A - Calculus with Applications, First Course (4.00)  ↔  MATH 265 - Calculus with Analytic Geometry I (5.00)

MATH 3B - Calculus with Applications, Second Course (4.00)  ↔  MATH 266 - Calculus with Analytic Geometry II (5.00)

MATH 4A - Linear Algebra with Applications (4.00)  ↔  MATH 270 - Linear Algebra (3.00)

MATH 4B - Differential Equations (4.00)  ↔  MATH 275 - Ordinary Differential Equations (3.00)

PHYS 1 - Basic Physics (4.00)  ↔  PHYSICS 37 - Physics for Engineers and Scientists I (5.00)
And
PHYS 2 - Basic Physics (4.00)  ↔  PHYSICS 38 - Physics for Engineers and Scientists II (5.00)
And
PHYS 3 - Basic Physics (3.00)  ↔  PHYSICS 39 - Physics for Engineers and Scientists III (5.00)
And
PHYS 4 - Basic Physics (3.00)

Or

PHYSICS 6 - General Physics I (4.00)  ↔  PHYSIS 7 - General Physics II (4.00)

And
**PHYS 6A** - Introductory Physics (3.00)

And

**PHYS 6AL** - Introductory Experimental Physics (1.00)

And

**PHYS 6B** - Introductory Physics (3.00)

And

**PHYS 6BL** - Introductory Experimental Physics (1.00)

And

**PHYS 6C** - Introductory Physics (3.00)

And

**PHYS 6CL** - Introductory Experimental Physics (1.00)

---

**RECOMMENDED**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 6A</td>
<td>Vector Calculus with Applications, First Course</td>
<td>4.00</td>
<td>MATH 267</td>
<td>Calculus with Analytic Geometry III</td>
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<tr>
<td>MATH 6B</td>
<td>Vector Calculus with Applications, Second Course</td>
<td>4.00</td>
<td>MATH 267</td>
<td>Calculus with Analytic Geometry III</td>
</tr>
<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>5.00</td>
<td>MATH 227</td>
<td>Statistics</td>
</tr>
<tr>
<td>ENGR 3</td>
<td>Introduction to Programming</td>
<td>3.00</td>
<td>No Course Articulated</td>
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<tr>
<td>WRIT 109ST</td>
<td>Writing for Science and Technology</td>
<td>4.00</td>
<td>This course is never articulated</td>
<td></td>
</tr>
</tbody>
</table>

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**END OF AGREEMENT**
Articulation Agreement by Major
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From: Los Angeles Harbor College
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EARTH SCIENCE, B.S. - GEOHYDROLOGY EMPHASIS

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- Earth 3 or 4
- Earth 18
- Chemistry 1A-1AL-1B-1BL-1C-1CL
- Math 3A and 3B and 4A and 4B
- Physics 1-2-3-4 or Physics 6A-6AL-6B-6BL-6C-6CL

### RECOMMENDED:

- Math 6A and 6B
- Computer programming
- Statistics

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EARTH 2</strong> - Principles of Physical Geology</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>EARTH 3</strong> - Principles of Historical Geology</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>EARTH 4</strong> - Introduction to Oceanography</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>EARTH 18</strong> - Field Studies in Geological Sciences</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>GEOLOGY 1</strong> - Physical Geology</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>GEOLOGY 6</strong> - Physical Geology Laboratory</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>OCEANO 1</strong> - Introduction to Oceanography</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>CHEM 101</strong> - General Chemistry I</td>
<td>5.00</td>
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<tr>
<td><strong>CHEM 102</strong> - General Chemistry II</td>
<td>5.00</td>
</tr>
<tr>
<td>Course</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry (3.00)</td>
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<tr>
<td>And</td>
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</tr>
<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<tr>
<td>And</td>
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</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry (3.00)</td>
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<td>And</td>
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<td>And</td>
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<td>CHEM 1CL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<th>Course</th>
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<td>MATH 265</td>
<td>Calculus with Analytic Geometry I (5.00)</td>
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<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course (4.00)</td>
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<td>MATH 266</td>
<td>Calculus with Analytic Geometry II (5.00)</td>
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<td>MATH 4A</td>
<td>Linear Algebra with Applications (4.00)</td>
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<td>MATH 275</td>
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<td>PHYS 38</td>
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<tr>
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Or

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<td>PHYS 7</td>
<td>General Physics II (4.00)</td>
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### PHYS 6A - Introductory Physics (3.00)

And

### PHYS 6AL - Introductory Experimental Physics (1.00)

And

### PHYS 6B - Introductory Physics (3.00)

And

### PHYS 6BL - Introductory Experimental Physics (1.00)

And

### PHYS 6C - Introductory Physics (3.00)

And

### PHYS 6CL - Introductory Experimental Physics (1.00)

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### RECOMMENDED

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<tr>
<th>Course Code</th>
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<td>MATH 267 - Calculus with Analytic Geometry III</td>
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<tr>
<td>MATH 6B</td>
<td>Vector Calculus with Applications, Second Course</td>
<td>4.00</td>
<td>MATH 267 - Calculus with Analytic Geometry III</td>
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<td>ENGR 3</td>
<td>Introduction to Programming</td>
<td>3.00</td>
<td>No Course Articulated</td>
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<tr>
<td>CMPSC 8</td>
<td>Introduction to Computer Science</td>
<td>4.00</td>
<td>CO SCI 344 - Introduction to JAVA</td>
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<td>CMPSC 16</td>
<td>Problem Solving with Computers</td>
<td>4.00</td>
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<td>MATH 227 - Statistics</td>
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### END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

EARTH SCIENCE, B.S. - GEOLOGY EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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## PREPARATION FOR THE MAJOR:

Earth 2 and 3 and 18

Chemistry 1A-1AL-1B-1BL-1C-1CL

Math 3A and 3B and 4A and 4B

Physics 1-2-3-4 or Physics 6A-6AL-6B-6BL-6C-6CL

## RECOMMENDED:

Math 6A and 6B

PSTAT 5A

Engineering 3

### PREPARATION FOR THE MAJOR

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<td>Principles of Physical Geology</td>
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<td>GEOLOGY 1</td>
<td>Physical Geology</td>
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<td>GEOLOGY 6</td>
<td>Physical Geology Laboratory</td>
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<tr>
<td>EARTH 3</td>
<td>Principles of Historical Geology</td>
<td>4.00</td>
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<td>EARTH 18</td>
<td>Field Studies in Geological Sciences</td>
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<tr>
<td>CHEM 1A</td>
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<td>CHEM 102</td>
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</table>
MATH 3A - Calculus with Applications, First Course (4.00) ← MATH 265 - Calculus with Analytic Geometry I (5.00)

MATH 3B - Calculus with Applications, Second Course (4.00) ← MATH 266 - Calculus with Analytic Geometry II (5.00)

MATH 4A - Linear Algebra with Applications (4.00) ← MATH 270 - Linear Algebra (3.00)

MATH 4B - Differential Equations (4.00) ← MATH 275 - Ordinary Differential Equations (3.00)

Phys 1 - Basic Physics (4.00)
And
Phys 2 - Basic Physics (4.00)
And
Phys 3 - Basic Physics (3.00)
And
Phys 4 - Basic Physics (3.00)

Or

Phys 6A - Introductory Physics (3.00)
And
Phys 6AL - Introductory Experimental Physics (1.00)
And
Phys 6B - Introductory Physics (3.00)
And
Phys 6BL - Introductory Experimental Physics (1.00)
And
Phys 6C - Introductory Physics (3.00)
And
Phys 6CL - Introductory Experimental Physics (1.00)

Phys 37 - Physics for Engineers and Scientists I (5.00)
And
Phys 38 - Physics for Engineers and Scientists II (5.00)
And
Phys 39 - Physics for Engineers and Scientists III (5.00)

Phys 6 - General Physics I (4.00)
And
Phys 7 - General Physics II (4.00)

Recommended

MATH 6A - Vector Calculus with Applications, First Course (4.00) ← MATH 267 - Calculus with Analytic Geometry III (5.00)

MATH 6B - Vector Calculus with Applications, Second Course (4.00) ← MATH 267 - Calculus with Analytic Geometry III (5.00)

PSTAT 5A - Statistics (5.00) ← MATH 227 - Statistics (4.00)

ENGR 3 - Introduction to Programming (3.00) ← No Course Articulated
END OF AGREEMENT
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
   2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
   2017-2017 General Catalog, Semester

EARTH SCIENCE, B.S. - GEOPHYSICS EMPHASIS

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PREPARATION FOR THE MAJOR:

Math 3A, 3B, 4A, 4B, 6A, 6B

Chemistry 1A-1AL-1B-1BL-1C-1CL

Earth 2

Earth 3 or 4

Physics 1-2-3-3L-4-4L-5-5L (or Physics 21-22-23-3L-24-4L-25-5L)

Computer Science 8 or 16

RECOMMENDED:

Writing 109ST
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<td>Physics for Engineers and Scientists I (5.00)</td>
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<td>PHYSICS 38</td>
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<td>PHYSICS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
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Phys 5 - Basic Physics (3.00)

And

Phys 5L - Physics Laboratory (1.00)

Phys 37 - Physics for Engineers and Scientists I (5.00)

And

Phys 38 - Physics for Engineers and Scientists II (5.00)

And

Phys 39 - Physics for Engineers and Scientists III (5.00)

Cmpsc 8 - Introduction to Computer Science (4.00)

Or

Cmpsc 16 - Problem Solving with Computers I (4.00)

Co sci 344 - Introduction to JAVA (3.00)

Co sci 340 - Object Oriented Programming in C++ (3.00)

Recommended

Writ 109ST - Writing for Science and Technology (4.00)

This course is never articulated

End of Agreement
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EARTH SCIENCE, B.S. - PALEO BIOLOGY EMPHASIS

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# EARTH SCIENCE, B.S. - PALEOBIOLGY EMPHASIS

## PREPARATION FOR THE MAJOR:

Earth 2 and 3
Math 34A-B and PSTAT 5L or 5A, **OR** Math 3A-B and 4A-B
Chemistry 1A-1AL-1B-1BL-1C-1CL
Physics 1-2-3-4 or Physics 6A-6AL-6B-6BL-6C-6CL
MCDB 1A-1AL and MCDB 1B
EEMB 2-2L and 3-3L

## RECOMMENDED:

Earth 18

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<tr>
<th>EARTH 2 - Principles of Physical Geology (4.00)</th>
<th>GEOLOGY 1 - Physical Geology (3.00)</th>
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<tr>
<td><strong>And</strong></td>
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<tr>
<td>EARTH 3 - Principles of Historical Geology (4.00)</td>
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<td>MATH 34A - Calculus for Social and Life Sciences (4.00)</td>
<td>MATH 236 - Calculus for Business and Social Science (5.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td>MATH 34B - Calculus for Social and Life Sciences (4.00)</td>
<td>MATH 236 - Calculus for Business and Social Science (5.00)</td>
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<td>PSTAT 5LS - Statistics for Life Sciences (5.00)</td>
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<td>PSTAT 5A - Statistics (5.00)</td>
<td>MATH 227 - Statistics (4.00)</td>
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<td>MATH 3A - Calculus with Applications, First Course (4.00)</td>
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<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>MATH 3B - Calculus with Applications, Second Course (4.00)</th>
<th>MATH 266 - Calculus with Analytic Geometry II (5.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>MATH 4A - Linear Algebra with Applications (4.00)</th>
<th>MATH 270 - Linear Algebra (3.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>MATH 4B - Differential Equations (4.00)</th>
<th>MATH 275 - Ordinary Differential Equations (3.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
<th>CHEM 101 - General Chemistry I (5.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CHEM 1AL - General Chemistry Laboratory (2.00)</th>
<th>CHEM 102 - General Chemistry II (5.00)</th>
</tr>
</thead>
</table>

| CHEM 1B - General Chemistry (3.00) | |
|---------------------------------||

| CHEM 1BL - General Chemistry Laboratory (2.00) | |
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| CHEM 1C - General Chemistry (3.00) | |
|---------------------------------||

| CHEM 1CL - General Chemistry Laboratory (2.00) | |
|--------------------------------------||

<table>
<thead>
<tr>
<th>PHYS 1 - Basic Physics (4.00)</th>
<th>PHYSICS 37 - Physics for Engineers and Scientists I (5.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PHYS 2 - Basic Physics (4.00)</th>
<th>PHYSICS 38 - Physics for Engineers and Scientists II (5.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PHYS 3 - Basic Physics (3.00)</th>
<th>PHYSICS 39 - Physics for Engineers and Scientists III (5.00)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PHYS 4 - Basic Physics (3.00)</th>
<th>PHYSICS 6 - General Physics I (4.00)</th>
</tr>
</thead>
</table>

| | PHYSICS 7 - General Physics II (4.00) |
| |--------------------------------------|
PHYS 6A - Introductory Physics (3.00)

And

PHYS 6AL - Introductory Experimental Physics (1.00)

And

PHYS 6B - Introductory Physics (3.00)

And

PHYS 6BL - Introductory Experimental Physics (1.00)

And

PHYS 6C - Introductory Physics (3.00)

And

PHYS 6CL - Introductory Experimental Physics (1.00)

EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00)

And

MCDB 1BL - Introductory Biology Laboratory II (1.00)
Same-As: EEMB 2L

And

EEMB 3 - Introductory Biology III (3.00)

And

EEMB 3L - Introductory Biology Laboratory III (1.00)

And

MCDB 1A - Introductory Biology I (4.00)

And

MCDB 1AL - Introductory Biology Laboratory I (1.00)

And

MCDB 1B - Introductory Biology II - Physiology (3.00)
- If the entire sequence is not completed prior to transfer, students must consult the department advisor prior to enrollment

BIOLOGY 101 - Biodiversity and Ecology (5.00)

And

BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00)

And

BIOLOGY 103 - Molecular Genetics and Physiology (5.00)

RECOMMENDED

EARTH 18 - Field Studies in Geological Sciences (1.00)
END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

ECOLOGY AND EVOLUTION, B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

This articulation agreement lists course-to-course or sequence-to-sequence substitutions for preparation in the major. **Transfer students are strongly encouraged to complete as many major preparatory courses as possible prior to enrolling at UCSB.** Completion of all major preparatory courses is not an admissions requirement, but some majors require certain courses to be completed prior to transfer with a specified GPA, and completion or near completion of major preparatory courses will help students move more efficiently toward graduation after transfer.

Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. **Admission to the pre-major does not guarantee admission to full major status.**

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

**For students to graduate within two years of transferring,** we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

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**ECOLOGY AND EVOLUTION, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Mathematics 3A-3B or 34A-34B

One of the following: PSTAT 5LS or PSTAT 5A (Mathematics 4A acceptable, but not recommended)

Physics 6A-6AL-6B-6BL-6C-6CL

**Note:** Organic chemistry may be required by some graduate or professional schools. Consult with an advisor.

---

**PREPARATION FOR THE MAJOR**

**Refer to Top of Agreement**

Complete entire sequence prior to transfer

Required for admission

<table>
<thead>
<tr>
<th>CHEM 101 - General Chemistry I (5.00) And</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 102 - General Chemistry II (5.00)</td>
</tr>
</tbody>
</table>
CHEM 1A - General Chemistry (3.00)

And

CHEM 1AL - General Chemistry Laboratory (2.00)

And

CHEM 1B - General Chemistry (3.00)

And

CHEM 1BL - General Chemistry Laboratory (2.00)

And

CHEM 1C - General Chemistry (3.00)

And

CHEM 1CL - General Chemistry Laboratory (2.00)

- An AP exam cannot be used to satisfy this course requirement
- An IB exam cannot be used to satisfy this course requirement

**REFER TO TOP OF AGREEMENT**
Complete entire sequence prior to transfer
Required for admission

EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00)

And

EEMB 2L - Introductory Biology Laboratory II (1.00)
Same-As: MCDB 1BL

And

EEMB 3 - Introductory Biology III (3.00)

And

EEMB 3L - Introductory Biology Laboratory III (1.00)

And

MCDB 1A - Introductory Biology I (4.00)

And

MCDB 1AL - Introductory Biology Laboratory I (1.00)

And

MCDB 1B - Introductory Biology II - Physiology (3.00)

- Articulates as a sequence only
- An AP exam cannot be used to satisfy this course requirement
- An IB exam cannot be used to satisfy this course requirement

BIOLOGY 101 - Biodiversity and Ecology (5.00)

And

BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00)

And

BIOLOGY 103 - Molecular Genetics and Physiology (5.00)

Math 265 - Calculus with Analytic Geometry I (5.00)
MATH 3A - Calculus with Applications, First Course (4.00) 
And 
MATH 3B - Calculus with Applications, Second Course (4.00) 

MATH 266 - Calculus with Analytic Geometry II (5.00) 

MATH 34A - Calculus for Social and Life Sciences (4.00) 
And 
MATH 34B - Calculus for Social and Life Sciences (4.00) 

MATH 236 - Calculus for Business and Social Science (5.00) 

PSTAT 5LS - Statistics for Life Sciences (5.00) 

No Course Articulated 

PSTAT 5A - Statistics (5.00) 

MATH 227 - Statistics (4.00) 

Or 

MATH 4A - Linear Algebra with Applications (4.00) 
- Acceptable; Not recommended 

MATH 270 - Linear Algebra (3.00) 

PHYS 6A - Introductory Physics (3.00) 
And 
PHYS 6AL - Introductory Experimental Physics (1.00) 
And 
PHYS 6B - Introductory Physics (3.00) 
And 
PHYS 6BL - Introductory Experimental Physics (1.00) 
And 
PHYS 6C - Introductory Physics (3.00) 
And 
PHYS 6CL - Introductory Experimental Physics (1.00) 

PHYSICS 6 - General Physics I (4.00) 
And 
PHYSICS 7 - General Physics II (4.00) 

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
From: Los Angeles Harbor College
2016-2017 General Catalog, Quarter
2017-2018 General Catalog, Semester

ECONOMICS AND ACCOUNTING, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

ECONOMICS AND ACCOUNTING, B.A.

Please visit the department's website to learn more about this major: www.econ.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Economics and Accounting, not directly to the major. Admission to the full major is contingent upon completion of ECON 1, 2, 3A, 3B, and 10A with a grade point average of 2.85 or above in those courses completed at the University of California and with no grade lower than C. (Only UC grades go into the pre-major GPA. Grades in courses taken outside of UC are used in the admission decision, and the courses may satisfy pre-major requirements, but they are not part of the pre-major GPA.) In addition, any remaining major preparation courses must be completed with grades of C or higher; the grades in these courses will not be used in computing the pre-major GPA but will apply to the overall major GPA. Only the first repeat of any pre-major course will be accepted by the Department of Economics in determining admission into the full major. Because the criteria are subject to annual review and revision, transfer students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.
ADMISSION SELECTION CRITERIA

To be admitted to the Pre-Economics and Accounting major, transfer applicants must complete the following courses with a 2.75 or better grade point average, with no individual grade lower than C:

1. Microeconomics (the Advanced Placement Microeconomics exam will not satisfy this requirement)
2. Macroeconomics (the Advanced Placement Macroeconomics exam will not satisfy this requirement)
3. Calculus courses articulating with UCSB’s MATH 3A-3B or MATH 34A-34B (a single course articulating with both MATH 34A and 34B is acceptable) MATH 3A-3B is recommended over MATH 34A-34B

NOTE: Applicants may be admitted to Pre-Economics and Accounting without completing Financial Accounting, but it is highly recommended that students complete the equivalent of UCSB’s ECON 3A and 3B prior to transfer.

PRE-MAJOR COURSES:

Economics 1 and 2 (required prior to transfer, see Admission Selection Criteria above)

Economics 3A and 3B

Economics 10A (must be taken at UCSB)

PREPARATION FOR THE MAJOR:

Math 3A-3B or Math 34A-34B (required prior to transfer, see Admission Selection Criteria above)

PSTAT 109 or 120A

Writing 105AA-ZZ or 107AA-ZZ or 109AA-ZZ (one course)

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MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

**REFER TO TOP OF AGREEMENT**

**Required for admission**

<table>
<thead>
<tr>
<th>ECON 1 - Principles of Economics-Micro (4.00)</th>
<th>ECON 1 - Principles of Economics I (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>An AP exam cannot be used to satisfy this course requirement</td>
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</tr>
</tbody>
</table>

**REFER TO TOP OF AGREEMENT**

**Required for admission**

<table>
<thead>
<tr>
<th>ECON 2 - Principles of Economics-Macro (4.00)</th>
<th>ECON 2 - Principles of Economics II (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>An AP exam cannot be used to satisfy this course requirement</td>
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</tbody>
</table>

**REFER TO TOP OF AGREEMENT**

**Required for admission**

<table>
<thead>
<tr>
<th>MATH 3A - Calculus with Applications, First Course (4.00)</th>
<th>MATH 265 - Calculus with Analytic Geometry I (5.00)</th>
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<tbody>
<tr>
<td>And</td>
<td>And</td>
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</table>

<table>
<thead>
<tr>
<th>MATH 3B - Calculus with Applications, Second Course (4.00)</th>
<th>MATH 266 - Calculus with Analytic Geometry II (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>MATH 34A</td>
<td>Calculus for Social and Life Sciences (4.00)</td>
</tr>
<tr>
<td>MATH 34B</td>
<td>Calculus for Social and Life Sciences (4.00)</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Calculus for Business and Social Science (5.00)</td>
</tr>
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</table>

**ADDITIONAL MAJOR PREPARATION COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3A</td>
<td>Financial Accounting (4.00)</td>
<td></td>
</tr>
<tr>
<td>ACCTG 1</td>
<td>Introductory Accounting I (5.00)</td>
<td></td>
</tr>
<tr>
<td>ACCTG 21</td>
<td>Bookkeeping and Accounting I (3.00)</td>
<td></td>
</tr>
<tr>
<td>ACCTG 22</td>
<td>Bookkeeping and Accounting II (3.00)</td>
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</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECON 3B</td>
<td>Financial Accounting (4.00)</td>
<td></td>
</tr>
<tr>
<td>ACCTG 1</td>
<td>Introductory Accounting I (5.00)</td>
<td></td>
</tr>
<tr>
<td>ACCTG 21</td>
<td>Bookkeeping and Accounting I (3.00)</td>
<td></td>
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<tr>
<td>ACCTG 22</td>
<td>Bookkeeping and Accounting II (3.00)</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 10A</td>
<td>Intermediate Microeconomic Theory (4.00)</td>
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<tr>
<td>PSTAT 109</td>
<td>Statistics for Economics (5.00)</td>
<td></td>
</tr>
<tr>
<td>PSTAT 120A</td>
<td>Probability and Statistics (4.00)</td>
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</tr>
</tbody>
</table>

This course must be taken at the university after transfer.

This course is never articulated.

This course is never articulated.

This course is never articulated.

**END OF AGREEMENT**
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara  
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College  
2017-2017 General Catalog, Semester

ECONOMICS, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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ECONOMICS, B.A.

Please visit the department's website to learn more about this major: www.econ.ucsb.edu

PRE-MAJOR INFORMATION

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## ADMISSION SELECTION CRITERIA

To be admitted to the Pre-Economics major, transfer applicants must complete the following courses with a 2.75 or better grade point average, with no individual grade lower than C:

1. **Microeconomics** (the Advanced Placement Microeconomics exam will not satisfy this requirement)
2. **Macroeconomics** (the Advanced Placement Macroeconomics exam will not satisfy this requirement)
3. **Calculus courses articulating with UCSB's MATH 3A-3B or MATH 34A-34B** (a single course articulating with both MATH 34A and 34B is acceptable) MATH 3A-3B is recommended over MATH 34A-34B

## PRE-MAJOR COURSES:

Economics 1 and 2 (required prior to transfer, see Admission Selection Criteria above)

Economics 10A (must be taken at UCSB)

## PREPARATION FOR THE MAJOR:

Math 3A-3B or Math 34A-34B (required prior to transfer, see Admission Selection Criteria above)

PSTAT 109 or 120A

Writing 105AA-ZZ or 107AA-ZZ or 109AA-ZZ (one course)

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### MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

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<tr>
<th><strong>REFER TO TOP OF AGREEMENT</strong></th>
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<tbody>
<tr>
<td><strong>ECON 1</strong> - Principles of Economics-Micro (4.00)</td>
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<tbody>
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<td><strong>ECON 2</strong> - Principles of Economics II (3.00)</td>
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<td>▪ An AP exam cannot be used to satisfy this course requirement</td>
<td></td>
</tr>
</tbody>
</table>

**Required for admission**

- **MATH 3A** - Calculus with Applications, First Course (4.00)
- **MATH 3B** - Calculus with Applications, Second Course (4.00)

**And**

- **MATH 265** - Calculus with Analytic Geometry I (5.00)
- **MATH 266** - Calculus with Analytic Geometry II (5.00)

**Or**

- **MATH 236** - Calculus for Business and Social Science (5.00)
MATH 34A - Calculus for Social and Life Sciences (4.00)

And

MATH 34B - Calculus for Social and Life Sciences (4.00)

ADDITIONAL MAJOR PREPARATION COURSES

ECON 10A - Intermediate Microeconomic Theory (4.00)  ← This course must be taken at the university after transfer

PSTAT 109 - Statistics for Economics (5.00)  ← This course is never articulated

PSTAT 120A - Probability and Statistics (4.00)  ← This course is never articulated

Upper-division writing course  ← This course is never articulated

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year
To: University of California, Santa Barbara 2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College 2017-2017 General Catalog, Semester

ELECTRICAL ENGINEERING, B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

GENERAL EDUCATION FOR THE COLLEGE OF ENGINEERING

General Education Information: Students should focus on completing major preparation requirements. If time permits, students may also take courses to fulfill either UCSB General Education requirements or IGETC (Intersegmental General Education Transfer Curriculum). Students who will not complete IGETC prior to transfer should refer to the College of Engineering General Education articulation agreement. UCSB's General Education requirements do not need to be completed prior to transfer, but students who choose to follow College of Engineering General Education should complete two to three General Education courses prior to transfer. For more information concerning satisfaction of UCSB General Education requirements, student may also refer to the General Engineering Academic Requirements (GEAR) publication at https://engineering.ucsb.edu/undergraduate/academic-advising/gear-publications

ELECTRICAL ENGINEERING, B.S.
Please visit the department's website to learn more about this major: [www.ece.ucsb.edu](http://www.ece.ucsb.edu)

**ADMISSION SELECTION CRITERIA**: Applicants to the Electrical Engineering major who complete the equivalent of all the **REQUIRED** UCSB major preparation courses and as many of the **STRONGLY RECOMMENDED** courses as possible with a major GPA of 3.6 or higher are the most competitive for admission.

Applicants without all of the **REQUIRED** courses will be reviewed for admission, but will have less competitive applications.

Courses for the major taken prior to admission must be completed with no grades lower than "C".

**REQUIRED** base preparation courses:

- Math 3A, 3B, 4A, 4B
- Physics 1, 2, 3, 3L
- Engineering 3*
- Computer Science 16*

* Both Engineering 3 and Computer Science 16 are required for the major and should be completed prior to transfer. For students who are unable to complete both, we will require one of them to be completed to meet admission selection criteria. It is strongly recommended that students complete both prior to transfer.

**STRONGLY RECOMMENDED** advanced preparation courses:

- Electrical and Computer Engineering 15A
- Math 6A, 6B
- Chemistry 1A, 1AL

Additional major preparation courses:

- Physics 4, 4L, 5, 5L
- Electrical and Computer Engineering 5, 10A, 10AL, 10B, 10BL, 10C, 10CL

You may attend more than one California community college to earn credit for the required major preparation courses if the courses are not offered or if your schedule constrains you from completing them at your own campus. However, it is better to complete the physics series at a single school.

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**REQUIRED BASE PREPARATION COURSES**

<table>
<thead>
<tr>
<th>MATH 3A - Calculus with Applications, First Course (4.00)</th>
<th>MATH 265 - Calculus with Analytic Geometry I (5.00)</th>
</tr>
</thead>
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</tr>
<tr>
<td>MATH 4A - Linear Algebra with Applications (4.00)</td>
<td>MATH 270 - Linear Algebra (3.00)</td>
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<tr>
<td>MATH 4B - Differential Equations (4.00)</td>
<td>MATH 275 - Ordinary Differential Equations (3.00)</td>
</tr>
<tr>
<td>PHYS 1 - Basic Physics (4.00)</td>
<td>PHYSICS 37 - Physics for Engineers and Scientists I (5.00)</td>
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</table>
### PHYSICS REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<th>Notes</th>
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<tbody>
<tr>
<td>PHYS 2</td>
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<tr>
<td>PHYS 3</td>
<td>Basic Physics (3.00)</td>
<td></td>
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</tr>
<tr>
<td>PHYS 3L</td>
<td>Physics Laboratory (1.00)</td>
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**AND**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHYS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 38</td>
<td>Physics for Engineers and Scientists II (5.00)</td>
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</table>

**REFER TO TOP OF AGREEMENT**

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<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tr>
<td>ENGR 3</td>
<td>Introduction to Programming (3.00)</td>
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**REFER TO TOP OF AGREEMENT**

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<th>Course</th>
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<tbody>
<tr>
<td>CMPSC 16</td>
<td>Problem Solving with Computers I (4.00)</td>
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<td>CO SCI 340 - Object Oriented Programming in C+ + (3.00)</td>
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### STRONGLY RECOMMENDED ADVANCED PREPARATION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>ECE 15A</td>
<td>Fundamentals of Logic Design (4.00)</td>
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<tr>
<td>MATH 6A</td>
<td>Vector Calculus with Applications, First Course (4.00)</td>
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<td>MATH 267 - Calculus with Analytic Geometry III (5.00)</td>
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<tr>
<td>MATH 6B</td>
<td>Vector Calculus with Applications, Second Course (4.00)</td>
<td></td>
<td>MATH 267 - Calculus with Analytic Geometry III (5.00)</td>
</tr>
<tr>
<td>CHEM 1A</td>
<td>General Chemistry (3.00)</td>
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<td>CHEM 101 - General Chemistry I (5.00)</td>
</tr>
<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory (2.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• An AP exam cannot be used to satisfy this course requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• An IB exam cannot be used to satisfy this course requirement</td>
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### ADDITIONAL MAJOR PREPARATION COURSES

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHYS 4</td>
<td>Basic Physics (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 4L</td>
<td>Physics Laboratory (1.00)</td>
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</table>

**AND**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 37</td>
<td>Physics for Engineers and Scientists I (5.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 38</td>
<td>Physics for Engineers and Scientists II (5.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **PHYS 5** - Basic Physics (3.00)  
| **And**  
| **PHYS 5L** - Physics Laboratory (1.00)  |  

| **PHYSICS 37** - Physics for Engineers and Scientists I (5.00)  
| **And**  
| **PHYSICS 38** - Physics for Engineers and Scientists II (5.00)  
| **And**  
| **PHYSICS 39** - Physics for Engineers and Scientists III (5.00)  

| **ECE 5** - Introduction to Electrical & Computer Engineering (4.00)  | No Course Articulated  

| **ECE 10A** - Foundations of Analog and Digital Circuits and Systems (3.00)  
| **And**  
| **ECE 10AL** - Foundations of Analog and Digital Circuits and Systems Lab (2.00)  | No Course Articulated  

| **ECE 10B** - Foundations of Analog and Digital Circuits and Systems (3.00)  
| **And**  
| **ECE 10BL** - Foundations of Analog and Digital Circuits and Systems Lab (2.00)  | No Course Articulated  

| **ECE 10C** - Foundations of Analog and Digital Circuits and Systems (3.00)  
| **And**  
| **ECE 10CL** - Foundations of Analog and Digital Circuits and Systems Lab (2.00)  | No Course Articulated  

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

ENGLISH, B.A.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

This articulation agreement lists course-to-course or sequence-to-sequence substitutions for preparation in the major. Transfer students are strongly encouraged to complete as many major preparatory courses as possible prior to enrolling at UCSB. Completion of all major preparatory courses is not an admissions requirement, but some majors require certain courses to be completed prior to transfer with a specified GPA, and completion or near completion of major preparatory courses will help students move more efficiently toward graduation after transfer.

Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

ENGLISH, B.A.

Please visit the department's website to learn more about this major: www.english.ucsb.edu

PREPARATION FOR THE MAJOR:

English 10

English 15

Elective lower-division English course (optional)

FOREIGN LANGUAGE REQUIREMENT: Students must complete either Option 1 or Option 2 below. Option 1 is strongly recommended.

Option 1: Completion of the 5th quarter (or 4th semester) or its equivalent in any foreign language currently taught at UCSB. Other languages may be considered by petition.
**Option 2:** Complete A and B below.

A. Quarter 3 (or semester 2) or equivalent of a foreign language as specified in Option 1 above.

B. Three upper-division foreign literature in translation courses (see departmental advisor for list of options.) These would be taken at UCSB after transfer.

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**NOTE FOR NATIVE SPEAKERS**

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

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**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ENGL 10</td>
<td>Introduction to Literary Study</td>
<td>4.00</td>
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<tr>
<td>ENGLISH 102</td>
<td>College Reading and Composition II</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 15</td>
<td>Introduction to Shakespeare</td>
<td>4.00</td>
</tr>
<tr>
<td>ENGLISH 215</td>
<td>Shakespeare I</td>
<td>3.00</td>
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</table>

Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGL 203</td>
<td>World Literature I</td>
<td>3.00</td>
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<tr>
<td>ENGL 204</td>
<td>World Literature II</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 205</td>
<td>English Literature I</td>
<td>3.00</td>
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<tr>
<td>ENGL 206</td>
<td>English Literature II</td>
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<tr>
<td>ENGL 207</td>
<td>American Literature I</td>
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<tr>
<td>ENGL 208</td>
<td>American Literature II</td>
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<tr>
<td>ENGL 209</td>
<td>California Literature</td>
<td>3.00</td>
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<tr>
<td>ENGL 211</td>
<td>Fiction</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 214</td>
<td>Contemporary Literature</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 219</td>
<td>The Literature of American Ethnic Groups</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 223</td>
<td>Creative Nonfiction</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 234</td>
<td>African-American Literature I</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 239</td>
<td>Women in Literature</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 260</td>
<td>Detective and Crime Fiction</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 265</td>
<td>Asian Pacific Islander</td>
<td>3.00</td>
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<tr>
<td></td>
<td>American Literature and Popular Culture</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 270</td>
<td>Science Fiction - Fantasy</td>
<td>3.00</td>
</tr>
<tr>
<td>ENGL 271</td>
<td>Graphic Fiction</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**REFER TO TOP OF AGREEMENT**
Foreign Language Requirement (options for satisfying this requirement are listed above)  No Course Articulated

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

ENVIRONMENTAL STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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ENVIRONMENTAL STUDIES, B.A.

Please visit the department's website to learn more about this major: www.es.ucsb.edu

PREPARATION FOR THE MAJOR:

Environmental Studies 1 and 2 and 3

MCDB 20 or EEMB 22 or MCDB 1A-1AL plus EEMB 2

Economics 1 or 2 or 9

One course from: Earth Science 2, 4, 20, or Geography 3A or 3B

One course from: Philosophy 3, 4, or Political Science 1

One course from: Anthropology 2; Geography 5; Global Studies 1, 2; Psychology 1; Religious Studies 1, 14; Sociology 1
One course from: Geography 7; History 5, 7; Political Science 6, 7, 12

One course from: PSTAT 5A, 5LS, 109

Mathematics 3A or 34A

Environmental Studies 25 or Mathematics 3B or 34B

Chemistry 1A-1AL-1B or Environmental Studies 15A-15B

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**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV S 1</td>
<td>Introduction to Environmental Studies (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ENV S 2</td>
<td>Introduction to Environmental Science (4.00)</td>
<td>ENV SCI 2 - The Human Environment: Biological Processes (3.00)</td>
</tr>
<tr>
<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>MCDB 20</td>
<td>Concepts of Biology (4.00)</td>
<td>BIOLOGY 3 - Introduction to Biology (4.00) Or</td>
</tr>
<tr>
<td>Eemb 22</td>
<td>Concepts and Controversies in the Biological Sciences (4.00)</td>
<td>No Course Articulated Or</td>
</tr>
</tbody>
</table>

**MCDB 1A** - Introductory Biology I (4.00) And

**MCDB 1AL** - Introductory Biology Laboratory I (1.00) And

**EEMB 2** - Introductory Biology II - Ecology and Evolution (3.00) And

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Articulation</th>
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<tbody>
<tr>
<td>BIOLOGY 101</td>
<td>Biodiversity and Ecology (5.00) And</td>
<td>BIOLOGY 102</td>
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<tr>
<td>BIOLOGY 103</td>
<td>Molecular Genetics and Physiology (5.00)</td>
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<table>
<thead>
<tr>
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<th>Course Name</th>
<th>Articulation</th>
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<tbody>
<tr>
<td>ECON 1</td>
<td>Principles of Economics-Micro (4.00)</td>
<td>ECON 1 - Principles of Economics I (3.00) Or</td>
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<td>ECON 2</td>
<td>Principles of Economics-Macro (4.00)</td>
<td>ECON 2 - Principles of Economics II (3.00) Or</td>
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<td>ECON 9</td>
<td>Introduction to Economics (4.00)</td>
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**Select 1 Course(s) from the following**

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<tbody>
<tr>
<td>EARTH 2</td>
<td>Principles of Physical Geology (4.00)</td>
<td>GEOLOGY 1 - Physical Geology (3.00) And</td>
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### Select 1 Course(s) from the following

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<tr>
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<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>EARTH 4</td>
<td>Introduction to Oceanography</td>
<td>4.00</td>
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<tr>
<td>EARTH 20</td>
<td>Geological Catastrophes</td>
<td>4.00</td>
</tr>
<tr>
<td>GEOG 3A</td>
<td>Oceans and Atmosphere</td>
<td>4.00</td>
</tr>
<tr>
<td>GEOG 3B</td>
<td>Land, Water and Life</td>
<td>4.00</td>
</tr>
<tr>
<td>OCEANO 1</td>
<td>Introduction to Oceanography</td>
<td>3.00</td>
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### Select 1 Course(s) from the following

<table>
<thead>
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<tbody>
<tr>
<td>PHIL 3</td>
<td>Critical Thinking</td>
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<tr>
<td>PHIL 4</td>
<td>Introduction to Ethics</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 1</td>
<td>Introduction to Political Philosophy</td>
<td>4.00</td>
</tr>
<tr>
<td>PHILOS 6</td>
<td>Logic in Practice</td>
<td>3.00</td>
</tr>
<tr>
<td>PHILOS 20</td>
<td>Ethics</td>
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### Select 1 Course(s) from the following

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<thead>
<tr>
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<td>Introductory Cultural Anthropology</td>
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<tr>
<td>GLOBL 1</td>
<td>Global History, Culture and Ideology</td>
<td>4.00</td>
</tr>
<tr>
<td>GLOBL 2</td>
<td>Global Socioeconomic and Political Processes</td>
<td>4.00</td>
</tr>
<tr>
<td>PSY 1</td>
<td>Introduction to Psychology</td>
<td>4.00</td>
</tr>
<tr>
<td>PSYCH 1</td>
<td>General Psychology I</td>
<td>3.00</td>
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<td>RG ST 1</td>
<td>Introduction to the Study of Religion</td>
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<tr>
<td>RG ST 14</td>
<td>Introduction to Native American Religious Studies</td>
<td>4.00</td>
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<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
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### Select 1 Course(s) from the following

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<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>GEOG 7</td>
<td>Energy, Water, and Climate</td>
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<tr>
<td>HIST 5</td>
<td>The History of the Present</td>
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<tr>
<td>HIST 7</td>
<td>Great Issues in the History of Public Policy</td>
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</tr>
<tr>
<td>POL S 6</td>
<td>Introduction to Comparative Politics</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 7</td>
<td>Introduction to International Relations</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 12</td>
<td>American Government and Politics</td>
<td>4.00</td>
</tr>
<tr>
<td>POL SCI 1</td>
<td>The Government of the United States</td>
<td>3.00</td>
</tr>
<tr>
<td>POL SCI 2</td>
<td>Modern World Governments</td>
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</tr>
<tr>
<td>POL SCI 7</td>
<td>Contemporary World Affairs</td>
<td>3.00</td>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>5.00</td>
</tr>
<tr>
<td>MATH 227</td>
<td>Statistics</td>
<td>4.00</td>
</tr>
<tr>
<td>PSTAT 5LS</td>
<td>Statistics for Life Sciences</td>
<td>5.00</td>
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### Or

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>No Course Articulated</td>
<td>No Course Articulated</td>
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</tbody>
</table>
**PSTAT 109** - Statistics for Economics (5.00)  
This course is never articulated

<table>
<thead>
<tr>
<th><strong>MATH 3A</strong> - Calculus with Applications, First Course (4.00)</th>
<th><strong>MATH 265</strong> - Calculus with Analytic Geometry I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATH 34A</strong> - Calculus for Social and Life Sciences (4.00)</td>
<td><strong>MATH 236</strong> - Calculus for Business and Social Science (5.00)</td>
</tr>
<tr>
<td>Or</td>
<td></td>
</tr>
<tr>
<td><strong>ENV S 25</strong> - Quantitative Thinking in Environmental Studies (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>Or</td>
<td></td>
</tr>
<tr>
<td><strong>MATH 3B</strong> - Calculus with Applications, Second Course (4.00)</td>
<td><strong>MATH 266</strong> - Calculus with Analytic Geometry II (5.00)</td>
</tr>
<tr>
<td>Or</td>
<td></td>
</tr>
<tr>
<td><strong>MATH 34B</strong> - Calculus for Social and Life Sciences (4.00)</td>
<td><strong>MATH 236</strong> - Calculus for Business and Social Science (5.00)</td>
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</table>

<table>
<thead>
<tr>
<th><strong>CHEM 1A</strong> - General Chemistry (3.00)</th>
<th><strong>CHEM 101</strong> - General Chemistry I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHEM 1AL</strong> - General Chemistry Laboratory (2.00)</td>
<td><strong>CHEM 102</strong> - General Chemistry II (5.00)</td>
</tr>
<tr>
<td><strong>CHEM 1B</strong> - General Chemistry (3.00)</td>
<td>Or</td>
</tr>
<tr>
<td>No Course Articulated</td>
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<table>
<thead>
<tr>
<th><strong>ENV S 15A</strong> - Environmental Chemistry (4.00)</th>
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</thead>
<tbody>
<tr>
<td><strong>ENV S 15B</strong> - Environmental Chemistry (5.00)</td>
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</table>

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara  
2016-2017 General Catalog, Quarter  
From: Los Angeles Harbor College  
2017-2017 General Catalog, Semester

ENVIRONMENTAL STUDIES, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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ENVIRONMENTAL STUDIES, B.S.

Please visit the departments website to learn more about this major: www.es.ucsb.edu

PREPARATION FOR THE MAJOR:

Environmental Studies 1 and 2 and 3

Economics 1 or 2 or 9

One course from: Earth Science 2, 4, 20, or Geography 3A or 3B

Mathematics 3A and 3B and 4A

One course from: PSTAT 5A, SLS, 109

Chemistry 1A-1AL-1B-1BL-1C-1CL
MCDB 1A-1AL, MCDB 1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L

Physics 1-2-3-3L or Physics 6A-6AL-6B-6BL-6C-6CL

One course from: Philosophy 3, 4, or Political Science 1

One course from: Anthropology 2; Geography 5, 7; Global Studies 1, 2; History 5, 7; Political Science 6, 7, 12; Psychology 1; Religious Studies 1, 14; Sociology 1

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tr>
<td>ENV S 2</td>
<td>Introduction to Environmental Science (4.00)</td>
<td>ENV SCI 2 - The Human Environment: Biological Processes (3.00)</td>
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<tr>
<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>ECON 1</td>
<td>Principles of Economics-Micro (4.00)</td>
<td>ECON 1 - Principles of Economics I (3.00)</td>
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<td>ECON 2</td>
<td>Principles of Economics-Macro (4.00)</td>
<td>ECON 2 - Principles of Economics II (3.00)</td>
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<td>ECON 9</td>
<td>Introduction to Economics (4.00)</td>
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Select 1 Course(s) from the following:

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<tr>
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<td>Principles of Physical Geology (4.00)</td>
<td>GEOLOGY 1 - Physical Geology (3.00)</td>
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<td>EARTH 4</td>
<td>Introduction to Oceanography (4.00)</td>
<td>OCEANO 1 - Introduction to Oceanography (3.00)</td>
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<td>Geological Catastrophes (4.00)</td>
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<td>GEOG 3A</td>
<td>Oceans and Atmosphere (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td>GEOG 3B</td>
<td>Land, Water and Life (4.00)</td>
<td>GEOG 1 - Physical Geography (3.00)</td>
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<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course (4.00)</td>
<td>MATH 265 - Calculus with Analytic Geometry I (5.00)</td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course (4.00)</td>
<td>MATH 266 - Calculus with Analytic Geometry II (5.00)</td>
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<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications (4.00)</td>
<td>MATH 270 - Linear Algebra (3.00)</td>
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<tr>
<td>PSTAT 5A</td>
<td>Statistics (5.00)</td>
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</table>
**Chemistry (CHEM)**

- **CHEM 1A** - General Chemistry (3.00)  
  *And*  
  **CHEM 1AL** - General Chemistry Laboratory (2.00)

- **CHEM 1B** - General Chemistry (3.00)  
  *And*  
  **CHEM 1BL** - General Chemistry Laboratory (2.00)

- **CHEM 1C** - General Chemistry (3.00)  
  *And*  
  **CHEM 1CL** - General Chemistry Laboratory (2.00)

---

**Biology (EEMB and MCDB)**

- **EEMB 2** - Introductory Biology II - Ecology and Evolution (3.00)  
  *And*  
  **MCDB 1BL** - Introductory Biology Laboratory II (1.00)  
  Same-As: EEMB 2L

- **EEMB 3** - Introductory Biology III (3.00)  
  *And*  
  **EEMB 3L** - Introductory Biology Laboratory III (1.00)

- **MCDB 1A** - Introductory Biology I (4.00)  
  *And*  
  **MCDB 1AL** - Introductory Biology Laboratory I (1.00)

- **MCDB 1B** - Introductory Biology II - Physiology (3.00)  
  - Articulates as a sequence only  
  - If the entire sequence is not completed prior to transfer, students must consult the department advisor prior to enrollment

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**Physics (PHYSICS)**

- **PHYSICS 6** - General Physics I (4.00)
PHYS 6A - Introductory Physics (3.00)

PHYS 6AL - Introductory Experimental Physics (1.00)

PHYS 6B - Introductory Physics (3.00)

PHYS 6BL - Introductory Experimental Physics (1.00)

PHYS 6C - Introductory Physics (3.00)

PHYS 6CL - Introductory Experimental Physics (1.00)

Select 1 Course(s) from the following

| PHIL 3 - Critical Thinking (4.00) | PHIL 4 - Introduction to Ethics (4.00) | PHILOS 6 - Logic in Practice (3.00) | PHILOS 20 - Ethics (3.00) | No Course Articulated |

Select 1 Course(s) from the following

| ANTH 2 - Introductory Cultural Anthropology (4.00) | ANTHRO 102 - Human Ways of Life: Cultural Anthropology (3.00) |
| GEOG 5 - People, Place and Environment (4.00) | GEOG 2 - Cultural Elements of Geography (3.00) |
| GEOG 7 - Energy, Water, and Climate (4.00) | No Course Articulated |
| GLOBL 1 - Global History, Culture and Ideology (4.00) | No Course Articulated |
| GLOBL 2 - Global Socioeconomic and Political Processes (4.00) | No Course Articulated |
| HIST 5 - The History of the Present (4.00) | No Course Articulated |
| HIST 7 - Great Issues in the History of Public Policy (4.00) | No Course Articulated |
| POL S 6 - Introduction to Comparative Politics (4.00) | POL SCI 2 - Modern World Governments (3.00) |
| POL S 7 - Introduction to International Relations (4.00) | POL SCI 7 - Contemporary World Affairs (3.00) |
| POL S 12 - American Government and Politics (4.00) | POL SCI 1 - The Government of the United States (3.00) |
| PSY 1 - Introduction to Psychology (4.00) | PSYCH 1 - General Psychology I (3.00) |
| RG ST 1 - Introduction to the Study of Religion (4.00) | No Course Articulated |
| RG ST 14 - Introduction to Native American Religious Studies (4.00) | No Course Articulated |
| SOC 1 - Introduction to Sociology (4.00) | SOC 1 - Introduction to Sociology (3.00) |
END OF AGREEMENT
Articulation Agreement by Major
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2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
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FEMINIST STUDIES, B.A.

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FEMINIST STUDIES, B.A.

Please visit the department's website to learn more about this major: www.femst.ucsb.edu

PREPARATION FOR THE MAJOR:

Area A: Introduction to Feminist Studies: Feminist Studies 20

Area B: Intersectionalities: Feminist Studies 60 and 80

Area C: Additional Key Concepts: Feminist Studies 30 or 40 or 50

AREA A: INTRODUCTION TO FEMINIST STUDIES

← No Course Articulated
**FEMST 20** - Gender and Power:
Introduction to Feminist Studies (4.00)

### AREA B: INTERSECTIONALITIES

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
<th>Articulated</th>
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<tbody>
<tr>
<td>FEMST 60</td>
<td>Women of Color: Race, Class, and Ethnicity</td>
<td>4.00</td>
<td>No Course Articulated</td>
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<tr>
<td>FEMST 80</td>
<td>Introduction to LGBTQ Studies</td>
<td>4.00</td>
<td>No Course Articulated</td>
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### AREA C: ADDITIONAL KEY CONCEPTS

Select 1 Course(s) from the following

<table>
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<tr>
<td>FEMST 30</td>
<td>Women, Development, and Globalization</td>
<td>4.00</td>
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<td>FEMST 40</td>
<td>Women, Representation, and Cultural Production</td>
<td>5.00</td>
<td>No Course Articulated</td>
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<tr>
<td>FEMST 50</td>
<td>Global Feminisms and Social Justice</td>
<td>4.00</td>
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Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

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2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

FILM AND MEDIA STUDIES, B.A.

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FILM AND MEDIA STUDIES, B.A.

Please visit the department's website to learn more about this major: www.filmandmedia.ucsb.edu

PREPARATION FOR THE MAJOR:

Film and Media Studies 46 and 70 and 96

One literature course from: Asian American Studies 5; Black Studies 38A, 38B; Classics 40; Comparative Literature 30A, 30B, 30C, 35; English 25, 50; French 50AX, 50BX, 50CX; German 31, 43A; Theater 1

One history or culture course from: Asian American Studies 1, 2, 4; Black Studies 1, 3, 5, 6, 7, 50; Chicana/o Studies 1A, 1B, 1C; German 43C; History 2C, 4C, 7, 8, 17B, 17C, 46, 49B, 80, 87; Philosophy 1, 3, 4, 6, 20C; Religious Studies 1, 7, 9, 15, 80C

One visual or performing arts course from: Art 1A, 7A; Art History 6C, 6F, 6G; Black Studies 14, 45; Dance 35, 45; Music 15, 17
**PREPARATION FOR THE MAJOR**

<table>
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<tr>
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<th>Course Title</th>
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<td>Introduction to Cinema (4.00)</td>
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<tr>
<td>FAMST 70</td>
<td>Media Criticism (4.00)</td>
<td>This course must be taken at the university after transfer</td>
</tr>
<tr>
<td>FAMST 96</td>
<td>Advanced Film Analysis (5.00)</td>
<td>This course must be taken at the university after transfer</td>
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Select 1 Course(s) from the following

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<th>Course Title</th>
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<td>AS AM 5</td>
<td>Introduction to Asian American Literature (4.00)</td>
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<td>BL ST 38A</td>
<td>Introduction to African-American Literature (Part I) (4.00)</td>
<td>ENGLISH 234 - African-American Literature I (3.00)</td>
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<td>BL ST 38B</td>
<td>Introduction to African-American Literature (Part II) (4.00)</td>
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<td>CLASS 40</td>
<td>Greek Mythology (4.00)</td>
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<td>C LIT 30A</td>
<td>Major Works in European Literature (4.00)</td>
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<tr>
<td>C LIT 30B</td>
<td>Major Works in European Literature (4.00)</td>
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<tr>
<td>C LIT 30C</td>
<td>Major Works in European Literature (4.00)</td>
<td>No Course Articulated</td>
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<td>C LIT 35</td>
<td>The Making of the Modern World (4.00)</td>
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<td>ENGL 25</td>
<td>Literature and the Information, Media, and Communication Revolutions (4.00)</td>
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<td>ENGL 50</td>
<td>Introduction to U.S. Minority Literature (4.00)</td>
<td>ENGLISH 219 - The Literature of American Ethnic Groups (3.00)</td>
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<td></td>
<td>ENGLISH 234 - African-American Literature I (3.00)</td>
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<td>Tales of Love in the Western Tradition (4.00)</td>
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<td>FR 50BX</td>
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<td>FR 50CX</td>
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<td>GER 31</td>
<td>Doubles: Film and Literature (4.00)</td>
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<td>GER 43A</td>
<td>Dreaming Revolutions: Introduction to Marx, Nietzsche and Freud (4.00)</td>
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<td>THTR 1</td>
<td>Play Analysis (4.00)</td>
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<td>AS AM 1</td>
<td>Introduction to Asian American History, 1850-Present</td>
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<td>AS AM 2</td>
<td>American Migration Since 1965: Asians and Others in the United States</td>
<td>4.00</td>
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<td>AS AM 4</td>
<td>Introduction to Asian American Popular Culture</td>
<td>4.00</td>
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<td>BL ST 1</td>
<td>Introduction to African-American Studies</td>
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<td>BL ST 3</td>
<td>Introduction to African Studies</td>
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<td>BL ST 5</td>
<td>Blacks and Western Civilization</td>
<td>4.00</td>
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<td>BL ST 6</td>
<td>The Civil Rights Movement</td>
<td>4.00</td>
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<td>BL ST 7</td>
<td>Introduction to Caribbean Studies</td>
<td>4.00</td>
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<td>BL ST 50</td>
<td>Blacks in the Media</td>
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<td>Introduction to Chicano/a Studies</td>
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<td>GER 43C</td>
<td>Germany Today</td>
<td>4.00</td>
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<td>HIST 2C</td>
<td>World History</td>
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<td>HIST 4C</td>
<td>Western Civilization</td>
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<td>HIST 7</td>
<td>Great Issues in the History of Public Policy</td>
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<td>HIST 8</td>
<td>Introduction to History of Latin America</td>
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<td>HIST 17B</td>
<td>The American People</td>
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<td>HIST 17C</td>
<td>The American People</td>
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<td>HIST 46</td>
<td>Survey of Middle Eastern History</td>
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<tr>
<td>HIST 49B</td>
<td>Survey of African History</td>
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<td>HIST 80</td>
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<td>HIST 87</td>
<td>Japanese History Through Art and Literature</td>
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<td>PHIL 1</td>
<td>Short Introduction to Philosophy</td>
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<td>Critical Thinking</td>
<td>4.00</td>
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<td>PHIL 4</td>
<td>Introduction to Ethics</td>
<td>4.00</td>
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<tr>
<td>PHIL 6</td>
<td>Professional and Business Ethics</td>
<td>4.00</td>
</tr>
<tr>
<td>PHIL 20C</td>
<td>History of Philosophy</td>
<td>4.00</td>
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<tr>
<td>RG ST 1</td>
<td>Introduction to the Study of Religion</td>
<td>4.00</td>
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<tr>
<td>RG ST 7</td>
<td>Introduction to American Religion</td>
<td>4.00</td>
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<tr>
<td>RG ST 9</td>
<td>Ethnicity and Religion</td>
<td>4.00</td>
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<td>RG ST 15</td>
<td>Religion and Psychology</td>
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<tr>
<td>RG ST 80C</td>
<td>Religion and Western Civilization III: Modern</td>
<td>4.00</td>
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Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
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<tr>
<td>ART 1A</td>
<td>Visual Literacy</td>
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<td>ART 7A</td>
<td>The Intersections of Art and Life</td>
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<td>No Course Articulated</td>
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<tr>
<td>ARTHI 6C</td>
<td>Art Survey III: Modem-Contemporary Art</td>
<td>4.00</td>
<td>ART 102 - Survey of Art History II (3.00)</td>
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<tr>
<td>ARTHI 6F</td>
<td>Survey: Architecture and Planning</td>
<td>4.00</td>
<td>ARC 132 - History of Architecture I (3.00)</td>
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<td>ARTHI 6G</td>
<td>Survey: History of Photography</td>
<td>4.00</td>
<td>ARC 133 - History of Architecture II (3.00)</td>
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<td>BL ST 14</td>
<td>The History of Jazz</td>
<td>4.00</td>
<td>PHOTO 121 - History and Appreciation of Photography (3.00)</td>
</tr>
<tr>
<td>BL ST 45</td>
<td>Black Arts Expressions</td>
<td>4.00</td>
<td>MUSIC 141 - Jazz Appreciation (3.00)</td>
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<td>DANCE 35</td>
<td>History and Appreciation of World Dance</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 45</td>
<td>History and Appreciation of Dance</td>
<td>4.00</td>
<td>No Course Articulated</td>
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<tr>
<td>MUS 15</td>
<td>Music Appreciation</td>
<td>4.00</td>
<td>MUSIC 111 - Music Appreciation I (3.00)</td>
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<tr>
<td>MUS 17</td>
<td>World Music</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

FINANCIAL MATHEMATICS AND STATISTICS, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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FINANCIAL MATHEMATICS AND STATISTICS, B.S.

Please visit the departments' websites to learn more about this major: www.math.ucsb.edu and www.pstat.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Financial Mathematics and Statistics, not directly to the major. Admission to the full major is contingent upon completion of all pre-major courses with a grade point average of 2.50 or higher in courses completed at the University of California and with no grade lower than “C”. (Only UC grades go into the pre-major GPA. Transfer courses taken outside of UC may satisfy pre-major requirements, but they are not part of the pre-major GPA.) Computer Science 8 or 16 or Engineering 3 must also be completed with a grade of “C” or better. Preparation courses are excluded from the pre-major GPA but will apply to the overall major GPA. Because the criteria are subject to annual review and revision, transfer students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

PRE-MAJOR REQUIREMENTS:
Economics 1 and 2

Mathematics 3A, 3B, 4A, 4B, 6A, 6B, 8*

* Either MATH 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take MATH 8 at UCSB.

**PREPARATION FOR THE MAJOR:**

One course from Computer Science 8, 16, or Engineering 3

Economics 10A

PSTAT 10

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### PRE-MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 1</td>
<td>Principles of Economics - Micro</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics - Macro</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 4B</td>
<td>Differential Equations</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 6A</td>
<td>Vector Calculus with Applications, First Course</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 6B</td>
<td>Vector Calculus with Applications, Second Course</td>
<td>4.00</td>
<td>Backward</td>
</tr>
<tr>
<td>MATH 8</td>
<td>Transition to Higher Mathematics</td>
<td>5.00</td>
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**Refer to top of agreement**

### PREPARATION FOR THE MAJOR

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CMPSC 8</td>
<td>Introduction to Computer Science</td>
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<td></td>
<td><strong>Or</strong></td>
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</tr>
<tr>
<td>CMPSC 16</td>
<td>Problem Solving with Computers</td>
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<table>
<thead>
<tr>
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<tr>
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<td>Introduction to JAVA</td>
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<tr>
<td>CO SCI 340</td>
<td>Object Oriented Programming in C++</td>
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<td>Course</td>
<td>Description</td>
<td>Articulation</td>
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<td>--------------------------------------------------</td>
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<tr>
<td>ENGR 3</td>
<td>Introduction to Programming (3.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ECON 10A</td>
<td>Intermediate Microeconomic Theory (4.00)</td>
<td>This course must be taken at the university after transfer</td>
</tr>
<tr>
<td>PSTAT 10</td>
<td>Introduction to Computing for Data Science (5.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

END OF AGREEMENT
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara 2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College 2017-2017 General Catalog, Semester

FRENCH, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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FRENCH, B.A.

Please visit the department's website to learn more about this major: www.frit.ucsb.edu

**PREPARATION FOR THE MAJOR:**

French 1, 2, 3, 4, 5, 6 (or equivalent)

**Note:** Native and near-native French speakers are required to consult with the Undergraduate Advisor before enrolling for the first time in any French course in order to verify placement.

**NOTE FOR NATIVE SPEAKERS**

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that
Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

## Preparation for the Major

<table>
<thead>
<tr>
<th>FR 1</th>
<th>Elementary French (5.00) And</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 2</td>
<td>Elementary French (5.00) And</td>
</tr>
<tr>
<td>FR 3</td>
<td>Elementary French (5.00) And Or equivalent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FRENCH 1</th>
<th>Elementary French I (5.00) And</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRENCH 2</td>
<td>Elementary French II (5.00)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>FR 4</th>
<th>Intermediate French (5.00) And</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 5</td>
<td>Intermediate French (5.00) And</td>
</tr>
<tr>
<td>FR 6</td>
<td>Intermediate French (5.00) And Or equivalent</td>
</tr>
</tbody>
</table>

No Course Articulated

## End of Agreement
Articulation Agreement by Major  
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara  
    2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College  
    2017-2017 General Catalog, Semester

GEOGRAPHY, B.A. - GEOGRAPHIC INFORMATION SCIENCE EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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GEOGRAPHY, B.A. - GEOGRAPHIC INFORMATION SCIENCE EMPHASIS

Please visit the department's website to learn more about this major: www.geog.ucsb.edu

PREPARATION FOR THE MAJOR:

Geography 3A and 3B and 5 and 12

One course from: Chemistry 1A-1AL; EMBB 2-2L; MCDB 20; Environmental Studies 2; Earth Science 2 or 4; Physics 6A-6AL

One course from: Anthropology 2 or 5; Communication 1; Economics 1 or 2; Environmental Studies 3; Linguistics 20; Political Science 7; Psychology 1; Sociology 1

Computer Science 8

One course from: Communication 87; PSTAT 5A, 5LS; Psychology 5
## PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GEOG 3A</strong> - Oceans and Atmosphere (4.00)</td>
<td><em>No Course Articulated</em></td>
<td></td>
</tr>
<tr>
<td><strong>GEOG 3B</strong> - Land, Water and Life (4.00)</td>
<td><em>GEOG 1 - Physical Geography (3.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>GEOG 5</strong> - People, Place and Environment (4.00)</td>
<td><em>GEOG 2 - Cultural Elements of Geography (3.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>GEOG 12</strong> - Maps and Spatial Reasoning (4.00)</td>
<td><em>No Course Articulated</em></td>
<td></td>
</tr>
<tr>
<td><strong>CMPSC 8</strong> - Introduction to Computer Science (4.00)</td>
<td><em>CO SCI 344 - Introduction to JAVA (3.00)</em></td>
<td></td>
</tr>
</tbody>
</table>

### Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHEM 1A</strong> - General Chemistry (3.00)</td>
<td><em>CHEM 101 - General Chemistry I (5.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>CHEM 1AL</strong> - General Chemistry Laboratory (2.00)</td>
<td><em>And</em></td>
<td></td>
</tr>
<tr>
<td><strong>EEMB 2</strong> - Introductory Biology II - Ecology and Evolution (3.00)</td>
<td><em>BIOLOGY 101 - Biodiversity and Ecology (5.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>EEMB 2L</strong> - Introductory Biology Laboratory II (1.00)</td>
<td><em>And</em></td>
<td></td>
</tr>
<tr>
<td>Same-As: MCDB 1BL</td>
<td>*<em>BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>MCDB 20</strong> - Concepts of Biology (4.00)</td>
<td><em>BIOLOGY 103 - Molecular Genetics and Physiology (5.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>ENV S 2</strong> - Introduction to Environmental Science (4.00)</td>
<td><em>BIOLOGY 3 - Introduction to Biology (4.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>EARTH 2</strong> - Principles of Physical Geology (4.00)</td>
<td><em>ENV SCI 2 - The Human Environment: Biological Processes (3.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>EARTH 4</strong> - Introduction to Oceanography (4.00)</td>
<td><em>GEOLOGY 1 - Physical Geology (3.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>PHYS 6A</strong> - Introductory Physics (3.00)</td>
<td><em>And</em></td>
<td></td>
</tr>
<tr>
<td><strong>PHYS 6AL</strong> - Introductory Experimental Physics (1.00)</td>
<td><em>GEOLOGY 6 - Physical Geology Laboratory (2.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>ANTH 2</strong> - Introductory Cultural Anthropology (4.00)</td>
<td><em>OCEANO 1 - Introduction to Oceanography (3.00)</em></td>
<td></td>
</tr>
<tr>
<td><strong>PHYS 6A</strong> - Introductory Physics (3.00)</td>
<td><em>And</em></td>
<td></td>
</tr>
<tr>
<td><strong>PHYS 6AL</strong> - Introductory Experimental Physics (1.00)</td>
<td><em>PHYSICS 6 - General Physics I (4.00)</em></td>
<td></td>
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### Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANTH 2</strong> - Introductory Cultural Anthropology (4.00)</td>
<td><em>ANTHRO 102 - Human Ways of Life: Cultural Anthropology (3.00)</em></td>
<td></td>
</tr>
</tbody>
</table>
ANTH 5 - Introductory Biological Anthropology (4.00) ← ANTHRO 101 - Human Biological Evolution (3.00)

COMM 1 - Introduction to Communication (5.00) ← No Course Articulated

ECON 1 - Principles of Economics-Micro (4.00) ← ECON 1 - Principles of Economics I (3.00)

ECON 2 - Principles of Economics-Macro (4.00) ← ECON 2 - Principles of Economics II (3.00)

ENV S 3 - Introduction to the Social and Cultural Environment (4.00) ← No Course Articulated

LING 20 - Language and Linguistics (4.00) ← ANTHRO 104 - Human Language and Communication (3.00)

POL S 7 - Introduction to International Relations (4.00) ← POL SCI 7 - Contemporary World Affairs (3.00)

PSY 1 - Introduction to Psychology (4.00) ← PSYCH 1 - General Psychology I (3.00)

SOC 1 - Introduction to Sociology (4.00) ← SOC 1 - Introduction to Sociology (3.00)

Select 1 Course(s) from the following

COMM 87 - Statistical Analysis for Communication (5.00) ← MATH 227 - Statistics (4.00)
  ▪ Acceptable substitute
  Or
  STAT 1 - Elementary Statistics I for the Social Sciences (3.00)
  ▪ Acceptable substitute

PSTAT 5A - Statistics (5.00) ← MATH 227 - Statistics (4.00)

PSTAT 5LS - Statistics for Life Sciences (5.00) ← No Course Articulated

PSY 5 - Introductory Statistics (5.00) ← MATH 227 - Statistics (4.00)
  ▪ Acceptable substitute
  Or
  STAT 1 - Elementary Statistics I for the Social Sciences (3.00)
  ▪ Acceptable substitute

STRONGLY RECOMMENDED

MATH 3A - Calculus with Applications, First Course (4.00) ← MATH 265 - Calculus with Analytic Geometry I (5.00)

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

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GEOGRAPHY, B.A.

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PREPARATION FOR THE MAJOR:

Geography 3A and 3B

Geography 5

Geography 12

At least one course from Area A or B or C, below:

A. Chemistry 1A-1AL; EEMB 2-2L, MCDB 20, EEMB 21; Environmental Studies 2; Earth Science 2, 4; Physics 6A-6AL

B. Anthropology 2 or 5; Communication 1; Economics 1 or 2; Environmental Studies 3; Linguistics 20; Political Science 7; Psychology 1; Sociology 1
C. Geography 7, 8, 20

One statistics course from: PSTAT 5A, 5LS; Communication 87; Psychology 5

**Strongly recommended:** Math 3A and one course in computer programming

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### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Articulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 3A</td>
<td>Oceans and Atmosphere</td>
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<td>Maps and Spatial Reasoning</td>
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<td>3.00</td>
<td>And</td>
</tr>
<tr>
<td>EMBB 2L</td>
<td>Introductory Biology Laboratory II</td>
<td>1.00</td>
<td>And</td>
</tr>
<tr>
<td>MCDB 20</td>
<td>Concepts of Biology</td>
<td>4.00</td>
<td>And</td>
</tr>
<tr>
<td>EMBB 21</td>
<td>General Botany</td>
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<td>No Course Articulated</td>
</tr>
<tr>
<td>ENV S 2</td>
<td>Introduction to Environmental Science</td>
<td>4.00</td>
<td>ENV SC 2 - The Human Environment: Biological Processes (3.00)</td>
</tr>
<tr>
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<td>Principles of Physical Geology</td>
<td>4.00</td>
<td>And</td>
</tr>
<tr>
<td>EARTH 4</td>
<td>Introduction to Oceanography</td>
<td>4.00</td>
<td>OCEANO 1 - Introduction to Oceanography (3.00)</td>
</tr>
<tr>
<td>PHYS 6A</td>
<td>Introductory Physics</td>
<td>3.00</td>
<td>And</td>
</tr>
<tr>
<td>PHYS 6AL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
<td>And</td>
</tr>
<tr>
<td>PHYS 6</td>
<td>General Physics I</td>
<td>4.00</td>
<td>And</td>
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<td>Course Code</td>
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<td>Credits</td>
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<tr>
<td>ANTH 2</td>
<td>Introductory Cultural Anthropology</td>
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<td>ANTH 5</td>
<td>Introductory Biological Anthropology</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>COMM 1</td>
<td>Introduction to Communication</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics-Micro</td>
<td>4.00</td>
<td>ECON 1 - Principles of Economics I (3.00)</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics-Macro</td>
<td>4.00</td>
<td>ECON 2 - Principles of Economics II (3.00)</td>
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<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment</td>
<td>4.00</td>
<td>No Course Articulated</td>
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<td>LING 20</td>
<td>Language and Linguistics</td>
<td>4.00</td>
<td>ANTHRO 104 - Human Language and Communication (3.00)</td>
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<tr>
<td>POL S 7</td>
<td>Introduction to International Relations</td>
<td>4.00</td>
<td>POL SCI 7 - Contemporary World Affairs (3.00)</td>
</tr>
<tr>
<td>PSY 7</td>
<td>Introduction to Experimental Psychology</td>
<td>3.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
<td>4.00</td>
<td>SOC 1 - Introduction to Sociology (3.00)</td>
</tr>
<tr>
<td>GEOG 7</td>
<td>Energy, Water, and Climate</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>GEOG 8</td>
<td>Living with Global Warming</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>GEOG 20</td>
<td>Geography of Surfing</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

Select 1 Course(s) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>5.00</td>
<td>MATH 227 - Statistics (4.00)</td>
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<tr>
<td>PSTAT 5LS</td>
<td>Statistics for Life Sciences</td>
<td>5.00</td>
<td>No Course Articulated</td>
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<tr>
<td>COMM 87</td>
<td>Statistical Analysis for Communication</td>
<td>5.00</td>
<td>MATH 227 - Statistics (4.00)</td>
</tr>
<tr>
<td></td>
<td>· Acceptable substitute</td>
<td></td>
<td>Or</td>
</tr>
<tr>
<td></td>
<td>STAT 1 - Elementary Statistics I for the Social Sciences</td>
<td>3.00</td>
<td>· Acceptable substitute</td>
</tr>
<tr>
<td>PSY 5</td>
<td>Introductory Statistics</td>
<td>5.00</td>
<td>MATH 227 - Statistics (4.00)</td>
</tr>
<tr>
<td></td>
<td>· Acceptable substitute</td>
<td></td>
<td>Or</td>
</tr>
<tr>
<td></td>
<td>STAT 1 - Elementary Statistics I for the Social Sciences</td>
<td>3.00</td>
<td>· Acceptable substitute</td>
</tr>
</tbody>
</table>

STRONGLY RECOMMENDED:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course</td>
<td>4.00</td>
<td>MATH 265 - Calculus with Analytic Geometry I (5.00)</td>
</tr>
</tbody>
</table>
END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

GERMAN, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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GERMAN, B.A.

Please visit the department's website to learn more about this major: [www.gss.ucsb.edu](http://www.gss.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

German 1, 2, 3, 4, 5, 6 or placement beyond level 6 in departmental placement examination

*Recommended*: German 8A-B-C

**NOTE FOR NATIVE SPEAKERS**

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that
language. Please contact the department about a language proficiency exam. Performance on language proficiency exams may satisfy major requirements.

PREPARATION FOR THE MAJOR

GER 1 - Elementary German (5.00)
And
GER 2 - Elementary German (5.00)
And
GER 3 - Elementary German (5.00)
Or equivalent

GER 4 - Intermediate German (5.00)
And
GER 5 - Intermediate German (5.00)
And
GER 6 - Intermediate German (5.00)
Or equivalent

RECOMMENDED

GER 8A - Beginning German Conversation (2.00)
And
GER 8B - Beginning German Conversation (2.00)
And
GER 8C - Beginning German Conversation (2.00)

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

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2016-2017 General Catalog, Quarter

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GLOBAL STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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GLOBAL STUDIES, B.A.

Please visit the department's website to learn more about this major: www.global.ucsb.edu

PREPARATION FOR THE MAJOR:

I. Global Studies 1 and 2 (these courses may be taken after transfer)

II. One course from the following: Anthropology 2; Economics 1, 2; Environmental Studies 1, 3; Feminist Studies 20, 30; Geography 5; Political Science 6, 7; Religious Studies 1; Sociology 1

III. One course from the following: Art History 6C, 6E, 6K; East Asian Cultural Studies 3, 4B, 80; History 4C, 8, 17C, 46, 49B; Middle East Studies 45

IV. Completion of quarter 6 or semester 4 (or equivalent) of a modem foreign language (ASL and Latin cannot be used for this requirement)

V. Completion of one additional year of a modern foreign language (Option a or b below)
a) SAME language as Area IV: Advanced and/or upper division courses in that language

b) DIFFERENT language: Beginning year of a language (the third year of high school foreign language accepted by UCSB for General Education Area B might also satisfy this requirement, ASL and Latin cannot be used for this requirement)

**NOTE FOR NATIVE SPEAKERS**

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

**AREA I**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Articulated</th>
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</thead>
<tbody>
<tr>
<td><strong>GLOBL 1</strong> - Global History, Culture and Ideology (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>GLOBL 2</strong> - Global Socioeconomic and Political Processes (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**AREA II**

**Select 1 Course(s) from the following**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Articulated</th>
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</thead>
<tbody>
<tr>
<td><strong>ANTH 2</strong> - Introductory Cultural Anthropology (4.00)</td>
<td></td>
<td></td>
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<tr>
<td><strong>ANTHRO 102</strong> - Human Ways of Life: Cultural Anthropology (3.00)</td>
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</tr>
<tr>
<td><strong>ECON 1</strong> - Principles of Economics-Micro (4.00)</td>
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<tr>
<td><strong>ECON 1</strong> - Principles of Economics I (3.00)</td>
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<tr>
<td><strong>ECON 2</strong> - Principles of Economics-Macro (4.00)</td>
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</tr>
<tr>
<td><strong>ECON 2</strong> - Principles of Economics II (3.00)</td>
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</tr>
<tr>
<td><strong>ENV S 1</strong> - Introduction to Environmental Studies (4.00)</td>
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<td>No Course Articulated</td>
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<tr>
<td><strong>ENV S 3</strong> - Introduction to the Social and Cultural Environment (4.00)</td>
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<td>No Course Articulated</td>
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<tr>
<td><strong>FEMST 20</strong> - Gender and Power: Introduction to Feminist Studies (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>FEMST 30</strong> - Women, Development, and Globalization (4.00)</td>
<td></td>
<td>No Course Articulated</td>
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<tr>
<td><strong>GEOG 5</strong> - People, Place and Environment (4.00)</td>
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</tr>
<tr>
<td><strong>GEOG 2</strong> - Cultural Elements of Geography (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>POL S 6</strong> - Introduction to Comparative Politics (4.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>POL SCI 2</strong> - Modern World Governments (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>POL S 7</strong> - Introduction to International Relations (4.00)</td>
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<td></td>
</tr>
<tr>
<td><strong>POL SCI 7</strong> - Contemporary World Affairs (3.00)</td>
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</table>
**AREA III**

Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulated</th>
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</thead>
<tbody>
<tr>
<td>ARTHI 6C</td>
<td>Art Survey III: Modern-Contemporary Art (4.00)</td>
<td>ART 102 - Survey of Art History II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6E</td>
<td>Survey: Arts of Africa, Oceania, and Native North America (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6K</td>
<td>Survey: Islamic Art and Architecture (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>EACS 3</td>
<td>Introduction to Asian Religious Traditions (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td></td>
<td>Same-As: RG ST 3</td>
<td></td>
</tr>
<tr>
<td>EACS 4B</td>
<td>East Asian Traditions: Modern (4.00)</td>
<td>This course is never articulated</td>
</tr>
<tr>
<td>EACS 80</td>
<td>East Asian Civilization (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td></td>
<td>Same-As: HIST 80</td>
<td></td>
</tr>
<tr>
<td>HIST 4C</td>
<td>Western Civilization (4.00)</td>
<td>HISTORY 2 - Introduction to Western Civilization II (3.00)</td>
</tr>
<tr>
<td>HIST 8</td>
<td>Introduction to History of Latin America (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 17C</td>
<td>The American People (4.00)</td>
<td>HISTORY 12 - Political and Social History of the United States II (3.00)</td>
</tr>
<tr>
<td>HIST 46</td>
<td>Survey of Middle Eastern History (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 49B</td>
<td>Survey of African History (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td></td>
<td>Same-As: BL ST 49B</td>
<td></td>
</tr>
<tr>
<td>MES 45</td>
<td>Introduction to Middle East Studies (4.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**AREA IV**

**REFER TO TOP OF AGREEMENT**

Two years of a modern foreign language - No Course Articulated

**AREA V**

**REFER TO TOP OF AGREEMENT**

- No Course Articulated
One additional year of a modern foreign language

END OF AGREEMENT
Articulation Agreement by Major
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HISTORY, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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HISTORY, B.A.

Please visit the department's website to learn more about this major: www.history.ucsb.edu

PREPARATION FOR THE MAJOR:

A. One of the following three sequences: History 2A-B-C, 2A or 4A and 4B-C, 17A-B-C

B. 8 lower-division quarter units (2 courses) selected from any historical field in History

**Breadth Requirement:** The breadth requirement may be fulfilled at the lower-division and/or upper-division level, and the same course may fulfill a chronological and regional requirement simultaneously. Articulated community college courses are all lower-division, so only the lower-division options are listed here. There are many upper-division options at UCSB. The breadth requirement can be fulfilled prior to transfer, or it can be partially fulfilled prior to transfer and completed after transfer.

**Breadth Requirement Part 1:** Three courses focusing before 1800 selected from the following courses: History 2A, 2B, 4A, 4B, 17A, 49A, 87
**Breadth Requirement Part 2** - At least one course in at least four of the following six categories:

A. **Africa and the Middle East**: History 46, 46MI, 49A, 49B

B. **Asia**: History 25, 80, 87, 88

C. **Europe**: History 4A, 4B, 4C

D. **Latin America**: History 8, 56

E. **United States**: History 17A, 17B, 17C

F. **World History and Comparative History**: History 2A, 2B, 2C, 49A, 49B

---

**AREA A**

Select 1 Sequence(s) from the following:

<table>
<thead>
<tr>
<th>HIST 2A - World History (4.00)</th>
<th>HISTORY 86 - Introduction to World Civilization I (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>HIST 2B - World History (4.00)</td>
<td>HISTORY 87 - Introduction to World Civilization II (3.00)</td>
</tr>
<tr>
<td>And</td>
<td></td>
</tr>
<tr>
<td>HIST 2C - World History (4.00)</td>
<td></td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>HIST 4A - Western Civilization (4.00)</th>
<th>HISTORY 1 - Introduction to Western Civilization I (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>HIST 4B - Western Civilization (4.00)</td>
<td>HISTORY 2 - Introduction to Western Civilization II (3.00)</td>
</tr>
<tr>
<td>And</td>
<td></td>
</tr>
<tr>
<td>HIST 4C - Western Civilization (4.00)</td>
<td></td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>HIST 17A - The American People (4.00)</th>
<th>HISTORY 11 - Political and Social History of the United States I (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>And</td>
</tr>
<tr>
<td>HIST 17B - The American People (4.00)</td>
<td>HISTORY 12 - Political and Social History of the United States II (3.00)</td>
</tr>
<tr>
<td>And</td>
<td></td>
</tr>
<tr>
<td>HIST 17C - The American People (4.00)</td>
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</tr>
</tbody>
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**AREA B**

Select 2 Course(s) from the following:

<table>
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<tr>
<th>HIST 5 - The History of the Present (4.00)</th>
<th>No Course Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 7 - Great Issues in the History of Public Policy (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 8 - Introduction to History of Latin America (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>HIST 11A</td>
<td>History of America's Racial and Ethnic Minorities</td>
</tr>
<tr>
<td>HIST 11B</td>
<td>History of America's Racial and Ethnic Minorities</td>
</tr>
<tr>
<td>HIST 20</td>
<td>Science, Technology, and Medicine in Modern Society</td>
</tr>
<tr>
<td>HIST 25</td>
<td>Violence and the Japanese State</td>
</tr>
<tr>
<td></td>
<td>Same-As: JAPAN 25</td>
</tr>
<tr>
<td>HIST 46</td>
<td>Survey of Middle Eastern History</td>
</tr>
<tr>
<td>HIST 46MI</td>
<td>Modern Iran</td>
</tr>
<tr>
<td></td>
<td>Same-As: RG ST 81</td>
</tr>
<tr>
<td>HIST 49A</td>
<td>Survey of African History</td>
</tr>
<tr>
<td></td>
<td>Same-As: BL ST 49A</td>
</tr>
<tr>
<td>HIST 49B</td>
<td>Survey of African History</td>
</tr>
<tr>
<td></td>
<td>Same-As: BL ST 49B</td>
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<tr>
<td>HIST 56</td>
<td>Introduction to Mexican History</td>
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<td>HIST 80</td>
<td>East Asian Civilization</td>
</tr>
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<td></td>
<td>Same-As: EACS 80</td>
</tr>
<tr>
<td>HIST 87</td>
<td>Japanese History Through Art and Literature</td>
</tr>
<tr>
<td>HIST 88</td>
<td>Survey of South Asian History</td>
</tr>
</tbody>
</table>

**BREADTH REQUIREMENT PART ONE**

Select 3 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2A</td>
<td>World History</td>
<td>4.00</td>
<td>History 86</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 2B</td>
<td>World History</td>
<td>4.00</td>
<td>History 86</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 4A</td>
<td>Western Civilization</td>
<td>4.00</td>
<td>History 1</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 4B</td>
<td>Western Civilization</td>
<td>4.00</td>
<td>History 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 17A</td>
<td>The American People</td>
<td>4.00</td>
<td>History 11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 49A</td>
<td>Survey of African History</td>
<td>4.00</td>
<td>No</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td>Articulation Status</td>
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</tr>
<tr>
<td>----------------------</td>
<td>--------------------------------------------</td>
<td>---------------------</td>
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</tr>
<tr>
<td>BL ST 49A</td>
<td>Same-As: BL ST 49A</td>
<td>No Course Articulated</td>
<td></td>
</tr>
<tr>
<td>HIST 87</td>
<td>Japanese History Through Art and Literature (4.00)</td>
<td>No Course Articulated</td>
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</table>

**BREADTH REQUIREMENT PART TWO A- AFRICA AND THE MIDDLE EAST**

Select up to 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Articulation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 46</td>
<td>Survey of Middle Eastern History (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 46MI</td>
<td>Modern Iran (4.00) Same-As: RG ST 81</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 49A</td>
<td>Survey of African History (4.00) Same-As: BL ST 49A</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 49B</td>
<td>Survey of African History (4.00) Same-As: BL ST 49B</td>
<td>No Course Articulated</td>
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</tbody>
</table>

**BREADTH REQUIREMENT PART TWO B - ASIA**

Select up to 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Articulation Status</th>
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</thead>
<tbody>
<tr>
<td>HIST 25</td>
<td>Violence and the Japanese State (4.00) Same-As: JAPAN 25</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 80</td>
<td>East Asian Civilization (4.00) Same-As: EACS 80</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 87</td>
<td>Japanese History Through Art and Literature (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 88</td>
<td>Survey of South Asian History (4.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**BREADTH REQUIREMENT PART TWO C - EUROPE**

Select up to 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Articulation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 4A</td>
<td>Western Civilization (4.00)</td>
<td>HISTORY 1 - Introduction to Western Civilization I (3.00)</td>
</tr>
<tr>
<td>HIST 4B</td>
<td>Western Civilization (4.00)</td>
<td>HISTORY 1 - Introduction to Western Civilization I (3.00) AND HISTORY 2 - Introduction to Western Civilization II (3.00)</td>
</tr>
<tr>
<td>HIST 4C</td>
<td>Western Civilization (4.00)</td>
<td>HISTORY 2 - Introduction to Western Civilization II (3.00)</td>
</tr>
</tbody>
</table>
### BREADTH REQUIREMENT PART TWO D-LATIN AMERICA

Select up to 1 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 8</td>
<td>Introduction to History of Latin America</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 56</td>
<td>Introduction to Mexican History</td>
<td>4.00</td>
<td>HISTORY 19 - History of Mexico (3.00)</td>
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</tbody>
</table>

### BREADTH REQUIREMENT PART TWO E-UNITED STATES

Select up to 1 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulated</th>
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</thead>
<tbody>
<tr>
<td>HIST 17A</td>
<td>The American People</td>
<td>4.00</td>
<td>HISTORY 11 - Political and Social History of the United States I (3.00)</td>
</tr>
<tr>
<td>HIST 17B</td>
<td>The American People</td>
<td>4.00</td>
<td>HISTORY 11 - Political and Social History of the United States I (3.00) And HISTORY 12 - Political and Social History of the United States II (3.00)</td>
</tr>
<tr>
<td>HIST 17C</td>
<td>The American People</td>
<td>4.00</td>
<td>HISTORY 12 - Political and Social History of the United States II (3.00)</td>
</tr>
</tbody>
</table>

### BREADTH REQUIREMENT PART TWO F-WORLD HISTORY AND COMPARATIVE HISTORY

Select up to 1 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2A</td>
<td>World History</td>
<td>4.00</td>
<td>HISTORY 86 - Introduction to World Civilization I (3.00) And HISTORY 87 - Introduction to World Civilization II (3.00)</td>
</tr>
<tr>
<td>HIST 2B</td>
<td>World History</td>
<td>4.00</td>
<td>HISTORY 86 - Introduction to World Civilization I (3.00) And HISTORY 87 - Introduction to World Civilization II (3.00)</td>
</tr>
<tr>
<td>HIST 2C</td>
<td>World History</td>
<td>4.00</td>
<td>HISTORY 87 - Introduction to World Civilization II (3.00)</td>
</tr>
<tr>
<td>HIST 49A</td>
<td>Survey of African History</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>HIST 49B</td>
<td>Survey of African History</td>
<td>4.00</td>
<td>No Course Articulated</td>
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</table>
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Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

HISTORY OF ART AND ARCHITECTURE, B.A. - ARCHITECTURE AND ENVIRONMENT EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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HISTORY OF ART AND ARCHITECTURE, B.A. - ARCHITECTURE AND ENVIRONMENT EMPHASIS

Please visit the department's website to learn more about this major: www.arthistory.ucsb.edu

PREPARATION FOR THE MAJOR:

A. Art History 5A and Art History 6F or 6J

B. Three courses from Art History 5B, 6A-B-C-DS-DW-E-G-H-K; Anthropology 2; Art 1A; Environmental Studies 1, 3; Geography 5; Sociology 1

**At least one course in Area B must come from Art History**
### AREA A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulated with</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHI 5A</td>
<td>Introduction to Architecture and Environment (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6F</td>
<td>Survey: Architecture and Planning (4.00)</td>
<td>ARC 132 - History of Architecture I (3.00) or ARC 133 - History of Architecture II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6J</td>
<td>Survey: Contemporary Architecture (4.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

### AREA B

Select 3 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulated with</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHI 5B</td>
<td>Introduction to Museum Studies (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6A</td>
<td>Art Survey I: Ancient-Medieval Art (4.00)</td>
<td>ART 101 - Survey of Art History I (3.00)</td>
</tr>
<tr>
<td>ARTHI 6B</td>
<td>Art Survey II: Renaissance-Baroque Art (4.00)</td>
<td>ART 101 - Survey of Art History I (3.00) AND ART 102 - Survey of Art History II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6C</td>
<td>Art Survey III: Modern-Contemporary Art (4.00)</td>
<td>ART 102 - Survey of Art History II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6DS</td>
<td>Survey: History of Art in China (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6DW</td>
<td>Survey: Art of Japan and Korea (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6E</td>
<td>Survey: Arts of Africa, Oceania, and Native North America (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6G</td>
<td>Survey: History of Photography (4.00)</td>
<td>PHOTO 121 - History and Appreciation of Photography (3.00)</td>
</tr>
<tr>
<td>ARTHI 6H</td>
<td>Survey: Pre-Columbian Art (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6K</td>
<td>Survey: Islamic Art and Architecture (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ANTH 2</td>
<td>Introductory Cultural Anthropology (4.00)</td>
<td>ANTHRO 102 - Human Ways of Life: Cultural Anthropology (3.00)</td>
</tr>
<tr>
<td>ART 1A</td>
<td>Visual Literacy (5.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ENV S 1</td>
<td>Introduction to Environmental Studies (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment (4.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>
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Articulation Agreement by Major
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2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

HISTORY OF ART AND ARCHITECTURE, B.A. - MUSEUM STUDIES EMPHASIS

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HISTORY OF ART AND ARCHITECTURE, B.A. - MUSEUM STUDIES EMPHASIS

Please visit the department's website to learn more about this major: www.arthistory.ucsb.edu

PREPARATION FOR THE MAJOR:

A. Art History 5B
B. Four courses from Art History 5A, 6A-B-C-DS-DW-E-F-G-H-J-K

AREA A

ARTH 5B - Introduction to Museum Studies (4.00) ← No Course Articulated
### AREA B

Select 4 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHI 5A</td>
<td>Introduction to Architecture and Environment</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6A</td>
<td>Art Survey I: Ancient-Medieval Art</td>
<td>4.00</td>
<td>ART 101 - Survey of Art History I (3.00)</td>
</tr>
<tr>
<td>ARTHI 6B</td>
<td>Art Survey II: Renaissance - Baroque Art</td>
<td>4.00</td>
<td>ART 101 - Survey of Art History I (3.00) And ART 102 - Survey of Art History II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6C</td>
<td>Art Survey III: Modern - Contemporary Art</td>
<td>4.00</td>
<td>ART 102 - Survey of Art History II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6DS</td>
<td>Survey: History of Art in China</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6DW</td>
<td>Survey: Art of Japan and Korea</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6E</td>
<td>Survey: Arts of Africa, Oceania, and Native North America</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6F</td>
<td>Survey: Architecture and Planning</td>
<td>4.00</td>
<td>ARC 132 - History of Architecture I (3.00) Or ARC 133 - History of Architecture II (3.00)</td>
</tr>
<tr>
<td>ARTHI 6G</td>
<td>Survey: History of Photography</td>
<td>4.00</td>
<td>PHOTO 121 - History and Appreciation of Photography (3.00)</td>
</tr>
<tr>
<td>ARTHI 6H</td>
<td>Survey: Pre-Columbian Art</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6J</td>
<td>Survey: Contemporary Architecture</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6K</td>
<td>Survey: Islamic Art and Architecture</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

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Articulation Agreement by Major
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2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

HISTORY OF ART AND ARCHITECTURE, B.A.

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HISTORY OF ART AND ARCHITECTURE, B.A.

Please visit the department's website to learn more about this major: [www.arthistory.ucsb.edu](http://www.arthistory.ucsb.edu)

PREPARATION FOR THE MAJOR:

A. Two courses from the European Tradition: Art History 6A-B-C

B. Two courses from World Cultures: Art History 6DS-DW-E-H-K

C. One course from Architecture, Museum Studies, or Photography: Art History 5A-B, 6F-G-J

AREA A

Select 2 Course(s) from the following
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART101</td>
<td>Survey of Art History I (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART102</td>
<td>Survey of Art History II (3.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART101</td>
<td>Survey of Art History I (3.00)</td>
<td></td>
<td>And</td>
</tr>
<tr>
<td>ART102</td>
<td>Survey of Art History II (3.00)</td>
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### AREA B

**Select 2 Course(s) from the following**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHI 6DS</td>
<td>Survey: History of Art in China</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6DW</td>
<td>Survey: Art of Japan and Korea</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6E</td>
<td>Survey: Arts of Africa, Oceania, and Native North America (4.00)</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6H</td>
<td>Survey: Pre-Columbian Art (4.00)</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6K</td>
<td>Survey: Islamic Art and Architecture (4.00)</td>
<td>4.00</td>
<td>No Course Articulated</td>
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### AREA C

**Select 1 Course(s) from the following**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>ARTHI 5A</td>
<td>Introduction to Architecture and Environment (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 5B</td>
<td>Introduction to Museum Studies (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6F</td>
<td>Survey: Architecture and Planning (4.00)</td>
<td></td>
<td></td>
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<tr>
<td>ARC132</td>
<td>History of Architecture I (3.00)</td>
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<td>Or</td>
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<tr>
<td>ARC133</td>
<td>History of Architecture II (3.00)</td>
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<td></td>
</tr>
<tr>
<td>ARTHI 6G</td>
<td>Survey: History of Photography (4.00)</td>
<td></td>
<td>PHOTO 121 - History and Appreciation of Photography (3.00)</td>
</tr>
<tr>
<td>ARTHI 6J</td>
<td>Survey: Contemporary Architecture (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

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HISTORY OF PUBLIC POLICY, B.A.

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HISTORY OF PUBLIC POLICY, B.A.

Please visit the department's website to learn more about this major: www.history.ucsb.edu

PREPARATION FOR THE MAJOR:

History 5 or 7

One of the following three sequences: History 2A-B-C, 2A or 4A and 4B-C, 17A-B-C

1 course in History selected from cultures outside the U.S. and Europe

4 courses from the following cognate disciplines, **with at least 1 course in 3 different disciplines**: Anthropology 2; Black Studies 5, 6; Economics 1, 2, 9; Environmental Studies 1, 3; Feminist Studies 20, 60; Global Studies 2; Philosophy 3, 4; Political Science 1, 6, 7, 12; Sociology 1

**Recommended for students who intend graduate study in the field:**
PSTAT 5A or 109

Foreign Language: Completion through quarter 5 or equivalent in a language appropriate to area of historical emphasis in the major

### Preparation for the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5 - The History of the Present</td>
<td>4.00</td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 7 - Great Issues in the History of Public Policy</td>
<td>4.00</td>
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Select 1 Sequence(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HIST 2A - World History</td>
<td>4.00</td>
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<tr>
<td>HIST 2B - World History</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 2C - World History</td>
<td>4.00</td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 4A - Western Civilization</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 4B - Western Civilization</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 4C - Western Civilization</td>
<td>4.00</td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 17A - The American People</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 17B - The American People</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 17C - The American People</td>
<td>4.00</td>
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</tbody>
</table>

Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lower-division course in Asian, African, Latin American, or Middle Eastern history</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Select 4 Course(s) from the following

**Refer to Top of Agreement**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ANTH 2 - Introductory Cultural Anthropology</td>
<td>4.00</td>
</tr>
<tr>
<td>ANTHRO 102 - Human Ways of Life: Cultural Anthropology</td>
<td>3.00</td>
</tr>
<tr>
<td>BL ST 5 - Blacks and Western Civilization</td>
<td>4.00</td>
</tr>
<tr>
<td>BL ST 6 - The Civil Rights Movement</td>
<td>4.00</td>
</tr>
<tr>
<td>ECON 1 - Principles of Economics I</td>
<td>3.00</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics-Micro</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics-Macro</td>
</tr>
<tr>
<td>ECON 9</td>
<td>Introduction to Economics</td>
</tr>
<tr>
<td>ENV S 1</td>
<td>Introduction to Environmental Studies</td>
</tr>
<tr>
<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment</td>
</tr>
<tr>
<td>FEMST 20</td>
<td>Gender and Power: Introduction to Feminist Studies</td>
</tr>
<tr>
<td>FEMST 60</td>
<td>Women of Color: Race, Class, and Ethnicity</td>
</tr>
<tr>
<td>GLOBL 2</td>
<td>Global Socioeconomic and Political Processes</td>
</tr>
<tr>
<td>PHIL 3</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHIL 4</td>
<td>Introduction to Ethics</td>
</tr>
<tr>
<td>POL S 1</td>
<td>Introduction to Political Philosophy</td>
</tr>
<tr>
<td>POL S 6</td>
<td>Introduction to Comparative Politics</td>
</tr>
<tr>
<td>POL S 7</td>
<td>Introduction to International Relations</td>
</tr>
<tr>
<td>POL S 12</td>
<td>American Government and Politics</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology</td>
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**RECOMMENDED IF CONSIDERING GRADUATE OR PROFESSIONAL STUDIES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Pre-reqs</th>
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<tbody>
<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>5.00</td>
<td>PSTAT 109</td>
</tr>
<tr>
<td>MATH 227</td>
<td>Statistics</td>
<td></td>
<td></td>
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<tr>
<td>Or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSTAT 109</td>
<td>Statistics for Economics</td>
<td>5.00</td>
<td></td>
</tr>
<tr>
<td>This course is never articulated</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language: Completion through quarter 5 or equivalent in a language appropriate to area of historical emphasis in the major  

**END OF AGREEMENT**
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

HYDROLOGIC SCIENCES AND POLICY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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HYDROLOGIC SCIENCES AND POLICY, B.S.

Please visit the department's website to learn more about this major: www.es.ucsb.edu

**Hydrologic Sciences and Policy students must select one of three emphases:** Biology and Ecology Emphasis, Physical and Chemical Emphasis, or Policy Emphasis. The preparation for the major listed below is the same for each emphasis.

**PREPARATION FOR THE MAJOR:**

Economics 1 or 2 or 9

Mathematics 3A, 3B, 4A, 4B

Chemistry 1A-1AL-1B-1BL-1C-1CL

Physics 1-2-3-3L (recommended) or Physics 6A-6AL-6B-6BL-6C-6CL (acceptable but not recommended)
Geography 3B
PSTAT 5A or 5LS
Earth Science 2
MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L
Environmental Studies 3 or Political Science 12
History 5 or 7

### Preparation for the Major

<table>
<thead>
<tr>
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<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>ECON 1</td>
<td>Principles of Economics-Micro</td>
<td>(4.00)</td>
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<td>Or</td>
<td>ECON 1</td>
<td>Principles of Economics I (3.00)</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics-Macro</td>
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<tr>
<td>Or</td>
<td>ECON 2</td>
<td>Principles of Economics II (3.00)</td>
</tr>
<tr>
<td>ECON 9</td>
<td>Introduction to Economics</td>
<td>(4.00)</td>
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<td>Or</td>
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<th>Title</th>
<th>Units</th>
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<tr>
<td>MATH 3A</td>
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<td>(4.00)</td>
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<tr>
<td>Or</td>
<td>MATH 265</td>
<td>Calculus with Analytic Geometry I (5.00)</td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course</td>
<td>(4.00)</td>
</tr>
<tr>
<td>Or</td>
<td>MATH 266</td>
<td>Calculus with Analytic Geometry II (5.00)</td>
</tr>
<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
<td>(4.00)</td>
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<tr>
<td>Or</td>
<td>MATH 270</td>
<td>Linear Algebra (3.00)</td>
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<tr>
<td>MATH 4B</td>
<td>Differential Equations</td>
<td>(4.00)</td>
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<tr>
<td>Or</td>
<td>MATH 275</td>
<td>Ordinary Differential Equations (3.00)</td>
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<th>Title</th>
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<td>General Chemistry</td>
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<tr>
<td>And</td>
<td>CHEM 101</td>
<td>General Chemistry I (5.00)</td>
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<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory</td>
<td>(2.00)</td>
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<tr>
<td>And</td>
<td>CHEM 102</td>
<td>General Chemistry II (5.00)</td>
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<tr>
<td>CHEM 1B</td>
<td>General Chemistry</td>
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<tr>
<td>And</td>
<td>CHEM 101</td>
<td>General Chemistry I (5.00)</td>
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<td>CHEM 1BL</td>
<td>General Chemistry Laboratory</td>
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<td>And</td>
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<td>CHEM 1C</td>
<td>General Chemistry</td>
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<td>And</td>
<td>CHEM 101</td>
<td>General Chemistry I (5.00)</td>
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<tr>
<td>CHEM 1CL</td>
<td>General Chemistry Laboratory</td>
<td>(2.00)</td>
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<td>Course</td>
<td>Title</td>
<td>Units</td>
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</tr>
<tr>
<td>PHYS 1</td>
<td>Basic Physics</td>
<td>4.00</td>
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<tr>
<td>PHYS 2</td>
<td>Basic Physics</td>
<td>4.00</td>
</tr>
<tr>
<td>PHYS 3</td>
<td>Basic Physics</td>
<td>3.00</td>
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<tr>
<td>PHYS 3L</td>
<td>Physics Laboratory</td>
<td>1.00</td>
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<tr>
<td>PHYS 6A</td>
<td>Introductory Physics</td>
<td>3.00</td>
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<tr>
<td>PHYS 6AL</td>
<td>Introductory Experimental Physics</td>
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<td>PHYS 6B</td>
<td>Introductory Physics</td>
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</tr>
<tr>
<td>PHYS 6BL</td>
<td>Introductory Experimental Physics</td>
<td>1.00</td>
</tr>
<tr>
<td>PHYS 6C</td>
<td>Introductory Physics</td>
<td>3.00</td>
</tr>
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<td>PHYS 6CL</td>
<td>Introductory Experimental Physics</td>
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</tr>
<tr>
<td>GEOG 3B</td>
<td>Land, Water and Life</td>
<td>4.00</td>
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<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>5.00</td>
</tr>
<tr>
<td>PSTAT 5LS</td>
<td>Statistics for Life Sciences</td>
<td>5.00</td>
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<tr>
<td>EARTH 2</td>
<td>Principles of Physical Geology</td>
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<tr>
<td>GEOLOGY 1</td>
<td>Physical Geology</td>
<td>3.00</td>
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<td>GEOLOGY 6</td>
<td>Physical Geology Laboratory</td>
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</tr>
<tr>
<td>BIOLOGY 101</td>
<td>Biodiversity and Ecology</td>
<td>5.00</td>
</tr>
<tr>
<td>BIOLOGY 102</td>
<td>Molecular Cell Biology and Evolution</td>
<td>5.00</td>
</tr>
</tbody>
</table>
**EEMB 2** - Introductory Biology II - Ecology and Evolution (3.00)

**EEMB 2L** - Introductory Biology Laboratory II (1.00)
Same-As: MCDB 1BL

**EEMB 3** - Introductory Biology III (3.00)

**EEMB 3L** - Introductory Biology Laboratory III (1.00)

**MCDB 1A** - Introductory Biology I (4.00)

**MCDB 1AL** - Introductory Biology Laboratory I (1.00)

**MCDB 1B** - Introductory Biology II - Physiology (3.00)
- Articulates as a sequence only
- If the entire sequence is not completed prior to transfer, students must consult the department advisor prior to enrollment

**ENV S 3** - Introduction to the Social and Cultural Environment (4.00)  
No Course Articulated

**POL S 12** - American Government and Politics (4.00)

**POL SCI 1** - The Government of the United States (3.00)

**HIST 5** - The History of the Present (4.00)  
No Course Articulated

**HIST 7** - Great Issues in the History of Public Policy (4.00)  
No Course Articulated

**END OF AGREEMENT**
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

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2016-2017 General Catalog, Quarter

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2017-2017 General Catalog, Semester

ITALIAN STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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ITALIAN STUDIES, B.A.

Please visit the department's website to learn more about this major: www.frit.ucsb.edu

PREPARATION FOR THE MAJOR:

Italian 1, 2, 3, 4, 5, 6 (or equivalent)

Italian 20X

NOTE FOR NATIVE SPEAKERS

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that
language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 1</td>
<td>Elementary Italian (5.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>And</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITAL 2</td>
<td>Elementary Italian (5.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>And</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITAL 3</td>
<td>Elementary Italian (5.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>And</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITAL 4</td>
<td>Intermediate Italian (5.00)</td>
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<td>No Course Articulated</td>
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<td><strong>And</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ITAL 5</td>
<td>Intermediate Italian (5.00)</td>
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<td>No Course Articulated</td>
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<td><strong>And</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITAL 6</td>
<td>Intermediate Italian (5.00)</td>
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<td>No Course Articulated</td>
</tr>
<tr>
<td><strong>And</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITAL 20X</td>
<td>Introduction to Italian Culture (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

### END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

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JAPANESE, B.A.

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JAPANESE, B.A.

Please visit the department's website to learn more about this major: www.eastasian.ucsb.edu

PREPARATION FOR THE MAJOR:

Japanese 1, 2, 3, 4, 5, 6 (or equivalent)

- **UCSB’s Japanese language courses are not automatically articulated**, even if community college courses are listed in the course articulation area. **Students must verify their language proficiency with a placement exam.** If a student has taken college courses in Japanese, and their score on the placement exam requires them to take a UCSB course that is at the same level as the college course taken elsewhere, then only subject credit will be awarded for UCSB courses that duplicate the courses taken elsewhere.

*East Asian Cultural Studies 4A, 4B*

Note: Many upper-division Japanese courses require a C or higher in each of their prerequisite courses. See the General Catalog for details.
NOTE FOR NATIVE SPEAKERS

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HIGH PROFICIENCY TRACK

A High Proficiency Track is available for students who want to pursue the Japanese, B.A. and whose Japanese language proficiency is beyond the JAPAN 1-6 level. Please contact the department for more information.

PREPARATION FOR THE MAJOR

**REFER TO TOP OF AGREEMENT**
Articulation is subject to placement by proficiency exam

JAPAN 1 - First-Year Japanese I (5.00)
And
JAPAN 2 - First-Year Japanese II (5.00)
And
JAPAN 3 - First-Year Japanese III (5.00)
Or equivalent

**REFER TO TOP OF AGREEMENT**
Articulation is subject to placement by proficiency exam

JAPAN 4 - Second-Year Japanese I (5.00)
And
JAPAN 5 - Second-Year Japanese II (5.00)
And
JAPAN 6 - Second-Year Japanese III (5.00)
Or equivalent

EACS 4A - East Asian Traditions: Pre-Modern (4.00)
This course is never articulated

EACS 4B - East Asian Traditions: Modern (4.00)
This course is never articulated

END OF AGREEMENT
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LANGUAGE, CULTURE, AND SOCIETY, B.A.

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LANGUAGE, CULTURE, AND SOCIETY, B.A.

Please visit the department's website to learn more about this major: www.linguistics.ucsb.edu

PREPARATION FOR THE MAJOR:

I. Linguistics 20

II. Two courses from the following: Anthropology 2; Communication 1; Linguistics 50, 70; Sociology 1

III. Completion of the third quarter or second semester (or equivalent) of a foreign language (Look up articulations for languages offered at your school. If the articulation is for UCSB’s level 3 or higher, that may satisfy this requirement. Chinese and Japanese courses are not articulated at UCSB - a language proficiency exam is required.)

NOTE FOR NATIVE SPEAKERS
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**AREA I**

**LING 20** - Language and Linguistics (4.00) ← **ANTHRO 104** - Human Language and Communication (3.00)

**AREA II**

Select 2 Course(s) from the following

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<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ANTH 2</td>
<td>Introductory Cultural Anthropology</td>
<td>4.00</td>
<td>← ANTHRO 102 Human Ways of Life: Cultural Anthropology (3.00)</td>
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<tr>
<td>COMM 1</td>
<td>Introduction to Communication</td>
<td>5.00</td>
<td>← No Course Articulated</td>
</tr>
<tr>
<td>LING 50</td>
<td>Language and Power (4.00)</td>
<td>4.00</td>
<td>← No Course Articulated</td>
</tr>
<tr>
<td>LING 70</td>
<td>Language in Society (4.00)</td>
<td>4.00</td>
<td>← No Course Articulated</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introduction to Sociology (4.00)</td>
<td>4.00</td>
<td>← SOC 1 - Introduction to Sociology (3.00)</td>
</tr>
</tbody>
</table>

**AREA III**

**REFER TO TOP OF AGREEMENT**

Completion of the third quarter or second semester (or equivalent) of a foreign language

* **REFER TO TOP OF AGREEMENT**

**END OF AGREEMENT**
Articulation Agreement  
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LATIN AMERICAN & IBERIAN STUDIES, B.A.  

GENERAL INFORMATION FOR ALL MAJORS  

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LATIN AMERICAN AND IBERIAN STUDIES, B.A.  

Please visit the department's website to learn more about this major: www.lais.ucsb.edu  

PREPARATION FOR THE MAJOR:  

Spanish 6 or Portuguese 6 (or a written translation test from Spanish or Portuguese into English) - Equivalents are defined as native-speaking knowledge of one of these languages or credit in courses demanding a comparable level of proficiency, such as a grade of “C” or higher in Spanish 25.  

History 8 or LAIS 10  

NOTE FOR NATIVE SPEAKERS
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### PREPARATION FOR THE MAJOR

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<td><strong>SPANISH 4</strong></td>
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<td></td>
<td>Or equivalent</td>
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<td><strong>PORT 6</strong></td>
<td>Intermediate Portuguese (4.00)</td>
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<tr>
<td></td>
<td>Or equivalent</td>
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</tr>
<tr>
<td><strong>HIST 8</strong></td>
<td>Introduction to History of Latin America (4.00)</td>
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<td>No Course Articulated</td>
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<tr>
<td></td>
<td>Or equivalent</td>
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<tr>
<td><strong>LAIS 10</strong></td>
<td>Introduction to the Latin American and Iberian World (4.00)</td>
<td></td>
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</tbody>
</table>

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LINGUISTICS, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

LINGUISTICS, B.A.

Please visit the department's website to learn more about this major: [www.linguistics.ucsb.edu](http://www.linguistics.ucsb.edu)

Optional emphases: Students pursuing a Bachelor of Arts in Linguistics may choose one of the following emphases - Chinese, English, French, German, Japanese, Slavic, Spanish, Language and Speech Technologies, or Speech-Language Sciences and Disorders.

PREPARATION FOR THE MAJOR:

Linguistics 20

Completion of the sixth quarter or fourth semester (or equivalent) in one foreign language* plus the completion of the third quarter or second semester (or equivalent) in another foreign language. Students are encouraged to take at least one language outside the Indo-European family; however, the study of two Indo-European languages will satisfy this requirement provided both are not members of either the Germanic, Slavic, or Romance families. Native speakers of languages other than English may petition to count either English or their native language as fulfilling...
one of the language requirements. (Look up articulations for languages offered at your school. If the articulation is for UCSB’s level 6, that may satisfy the first requirement. If the articulation is for UCSB’s level 3 or higher, that may satisfy the second requirement. Chinese and Japanese courses are not articulated at UCSB - a language proficiency exam is required.)

* To pursue an emphasis in Chinese, French, German, Japanese, Slavic, or Spanish, the two years of foreign language must be in the corresponding language. Some language emphases require additional advanced work in the language.

### NOTE FOR NATIVE SPEAKERS

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>LING 20 - Language and Linguistics (4.00)</th>
<th>ANTHRO 104 - Human Language and Communication (3.00)</th>
</tr>
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### END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

MATHEMATICAL SCIENCES, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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MATHEMATICAL SCIENCES, B.S.

Please visit the department's website to learn more about this major: www.math.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Mathematical Sciences, not directly to the major. Admission to the full major is contingent upon completion of pre-major mathematics courses with a grade point average of 2.50 or higher in courses completed at the University of California and with no grade lower than "C". (Only UC grades go into the pre-major GPA. Transfer courses taken outside of UC may satisfy pre-major requirements, but they are not part of the pre-major GPA.) Computer Science 8 or 16 or Engineering 3 must also be completed with a grade of "C" or better. Preparation courses are excluded from the pre-major GPA, but will apply to the overall major GPA.

Because the criteria are subject to annual review and revision, transfer students should consult the department directly to obtain current information regarding additional, specific criteria for admission to the full major.

Admission to the pre-major does not guarantee admission to full major status.

PRE-MAJOR REQUIREMENTS:
Mathematics 3A, 3B, 4A, 4B, 6A, 6B, 8* (these courses must be completed with grades of "C" or better)

* Note: Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take MATH 8 at UCSB

PREPARATION FOR THE MAJOR:

One course from Computer Science 8, 16, or Engineering 3 (must be completed with a grade of "C" or better)

Physics 1 or 6A or 21

ADVISORY NOTE FOR FALL 2019 APPLICANTS

Advisory note for fall 2019 applicants to Mathematical Sciences, B.S.; Mathematics, B.A.; and Mathematics, B.S. (November 2018 application filing period)

NEW ADMISSION SELECTION CRITERIA FOR FALL 2019:

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2. Calculus course articulating with UCSB’s MATH 3B
3. A cumulative GPA of 2.75 or better in the required courses listed above with no individual grade lower than "C"

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PRE-MAJOR REQUIREMENTS

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**REFER TO TOP OF AGREEMENT**

| MATH 8 - Transition to Higher Mathematics (5.00) | No Course Articulated |

**PREPARATION FOR THE MAJOR**

**REFER TO TOP OF AGREEMENT**

| CMPSC 8 - Introduction to Computer Science (4.00) | CO SCI 344 - Introduction to JAVA (3.00) |

Or

| CMPSC 16 - Problem Solving with Computers I (4.00) | CO SCI 340 - Object Oriented Programming in C++ (3.00) |

Or

| ENGR 3 - Introduction to Programming (3.00) | No Course Articulated |

| PHYS 1 - Basic Physics (4.00) | PHYSICS 37 - Physics for Engineers and Scientists I (5.00) |

Or

| PHYS 6A - Introductory Physics (3.00) | PHYSICS 6 - General Physics I (4.00) |

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MATHEMATICS, B.A.

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* Note: Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take MATH 8 at UCSB.

Note: Math 6A is a prerequisite for several upper-division mathematics courses. See the General Catalog.

PREPARATION FOR THE MAJOR:

One course from Computer Science 8, 16, or Engineering 3

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### ADVISORY NOTE FOR FALL 2019 APPLICANTS

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**MATH 8 - Transition to Higher Mathematics**

(5.00)

**No Course Articulated**

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### PREPARATION FOR THE MAJOR

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(4.00)

**CO SCI 344 - Introduction to JAVA**

(3.00)

**Or**

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### RECOMMENDED

**MATH 6A - Vector Calculus with Applications, First Course**

(4.00)

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(5.00)

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MECHANICAL ENGINEERING, B.S.

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GENERAL EDUCATION FOR THE COLLEGE OF ENGINEERING

General Education Information: Students should focus on completing major preparation requirements. If time permits, students may also take courses to fulfill either UCSB General Education requirements or IGETC (Intersegmental General Education Transfer Curriculum). Students who will not complete IGETC prior to transfer should refer to the College of Engineering General Education articulation agreement. UCSB's General Education requirements do not need to be completed prior to transfer, but students who choose to follow College of Engineering General Education should complete two to three General Education courses prior to transfer. For more information concerning satisfaction of UCSB General Education requirements, student may also refer to the General Engineering Academic Requirements (GEAR) publication at https://engineering.ucsb.edu/undergraduate/academic-advising/gear-publications

MECHANICAL ENGINEERING, B.S.
Please visit the department’s website to learn more about this major: [www.me.ucsb.edu](http://www.me.ucsb.edu)

**ADMISSION SELECTION CRITERIA:** Applicants to the Mechanical Engineering major who complete the equivalent of all the **REQUIRED** UCSB major preparation courses and as many of the **STRONGLY RECOMMENDED** courses as possible with a major GPA of 3.6 or higher are the most competitive for admission.

Applicants without all of the **REQUIRED** courses will be reviewed for admission, but will have less competitive applications.

Courses for the major taken prior to admission must be completed with no grades lower than "C".

**REQUIRED** base preparation courses:

- Math 3A, 3B, 4A, 4B
- Physics 1, 2, 3, 3L
- Chemistry 1A, 1AL
- Engineering 3*
- Mechanical Engineering 14

*For students who are unable to complete a course articulating with Engineering 3, we will accept a course articulating with Computer Science 16 instead of Engineering 3, for admission purposes only. Computer Science 16 does not satisfy a major requirement and the student would still need to take Engineering 3 at UCSB if admitted.

**STRONGLY RECOMMENDED** advanced preparation courses:

- Chemistry 1B, 1BL
- Math 6A, 6B
- Mechanical Engineering 6, 10, 15, 16*

*Admitted applicants who have also completed the equivalent to ME 16 "Dynamics" can complete their degree in 2 years rather than 3.

Additional major preparation courses:

- Mechanical Engineering 12S, 17
- Physics 4, 4L

You may attend more than one California community college to earn credit for the required major preparation courses if the courses are not offered or if your schedule constrains you from completing them at your own campus. However, it is better to complete a series (such as general chemistry or physics) at a single school.

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**REQUIRED BASE PREPARATION COURSES**

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</tr>
<tr>
<td><strong>PHYS 38</strong> - Physics for Engineers and Scientists II</td>
<td>5.00</td>
</tr>
<tr>
<td><strong>ENG 3</strong> - Introduction to Programming</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ME 14</strong> - Statics</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>CHEM 1A</strong> - General Chemistry</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>CHEM 1AL</strong> - General Chemistry Laboratory</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>CHEM 101</strong> - General Chemistry I</td>
<td>5.00</td>
</tr>
<tr>
<td><strong>MATH 6A</strong> - Vector Calculus with Applications, First Course</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>MATH 6B</strong> - Vector Calculus with Applications, Second Course</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>ME 6</strong> - Basic Electrical and Electronic Circuits</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>ME 10</strong> - Engineering Graphics: Sketching, CAD, and Conceptual Design</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>MATH 267</strong> - Calculus with Analytic Geometry III</td>
<td>5.00</td>
</tr>
<tr>
<td><strong>MATH 267</strong> - Calculus with Analytic Geometry III</td>
<td>5.00</td>
</tr>
<tr>
<td><strong>ENG GEN 243</strong> - Statics and Strength of Materials</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>ENG GEN 111</strong> - Introduction to Engineering Drafting</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>DRAFT 55</strong> - Applied Descriptive Geometry/Computer Assisted Design and Drafting</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ENG GEN 112</strong> - Engineering Descriptive Geometry</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**Strongly Recommended Advanced Preparation Courses**

<table>
<thead>
<tr>
<th><strong>Courses</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATH 6A</strong> - Vector Calculus with Applications, First Course</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>MATH 6B</strong> - Vector Calculus with Applications, Second Course</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>ME 6</strong> - Basic Electrical and Electronic Circuits</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>ME 10</strong> - Engineering Graphics: Sketching, CAD, and Conceptual Design</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>ENG GEN 111</strong> - Introduction to Engineering Drafting</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>DRAFT 55</strong> - Applied Descriptive Geometry/Computer Assisted Design and Drafting</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ENG GEN 112</strong> - Engineering Descriptive Geometry</td>
<td>3.00</td>
</tr>
</tbody>
</table>
ME 15 - Strength of Materials (4.00)  
**REFER TO TOP OF AGREEMENT**  
Highly recommended

ME 16 - Engineering Mechanics: Dynamics (4.00)  

CHEM 1B - General Chemistry (3.00)

CHEM 1BL - General Chemistry Laboratory (2.00)
- An AP exam cannot be used to satisfy this course requirement
- An IB exam cannot be used to satisfy this course requirement

CHEM 101 - General Chemistry I (5.00)

CHEM 102 - General Chemistry II (5.00)

ADDITIONAL MAJOR PREPARATION COURSES

ME 125 - Introduction to Machine Shop (1.00)  

ME 17 - Mathematics of Engineering (3.00)

PHYS 4 - Basic Physics (3.00)

PHYS 4L - Physics Laboratory (1.00)

PHYSICS 37 - Physics for Engineers and Scientists I (5.00)

PHYSICS 38 - Physics for Engineers and Scientists II (5.00)

PHYSICS 39 - Physics for Engineers and Scientists III (5.00)

END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

MEDIEVAL STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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MEDIEVAL STUDIES, B.A.

Please visit the department's website to learn more about this major: www.medievalstudies.ucsb.edu

PREPARATION FOR THE MAJOR:

History 4A and 4B or History 2A and 4B

A reading knowledge of Latin and a modern European language will be necessary for those who plan to continue their studies on the graduate level. However, it is not required for the major.

PREPARATION FOR THE MAJOR

HIST 2A - World History (4.00)

HISTORY 86 - Introduction to World Civilization I (3.00)
<table>
<thead>
<tr>
<th>Or</th>
<th></th>
<th>And</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HIST 4A</strong> - Western Civilization (4.00)</td>
<td><strong>HISTORY 1</strong> - Introduction to Western Civilization I (3.00)</td>
<td><strong>HISTORY 2</strong> - Introduction to Western Civilization II (3.00)</td>
</tr>
<tr>
<td><strong>HIST 4B</strong> - Western Civilization (4.00)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Articulation Agreement by Major
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2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

MICROBIOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"  
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"  
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

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**MICROBIOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EMBB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B-109C

Mathematics 3A-3B or 34A-34B

One of the following: PSTAT 5LS or PSTAT 5A or Mathematics 4A

Physics 6A-6AL-6B-6BL-6C-6CL

---

**PREPARATION FOR THE MAJOR**

**REQUIRE TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer  
Required for admission

<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 (3.00)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory (2.00)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry (3.00)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1BL</td>
<td>General Chemistry Laboratory (2.00)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1C</td>
<td>General Chemistry (3.00)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1CL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<th>Course Code</th>
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<tr>
<td>CHEM 101</td>
<td>General Chemistry I (5.00)</td>
<td></td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II (5.00)</td>
<td></td>
</tr>
</tbody>
</table>
**REFER TO TOP OF AGREEMENT**
Complete entire sequence prior to transfer
Required for admission

**EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00)**
And
**EEMB 2L - Introductory Biology Laboratory II (1.00)**
Same-As: MCDB 1BL
And
**EEMB 3 - Introductory Biology III (3.00)**
And
**EEMB 3L - Introductory Biology Laboratory III (1.00)**
And
**MCDB 1A - Introductory Biology I (4.00)**
And
**MCDB 1AL - Introductory Biology Laboratory I (1.00)**
And
**MCDB 1B - Introductory Biology II - Physiology (3.00)**
- Articulates as a sequence only

**CHEM 6AL - Laboratory Methods of Organic Chemistry (3.00)**
And
**CHEM 6BL - Laboratory Methods of Organic Chemistry (3.00)**

**CHEM 109A - Organic Chemistry (4.00)**
And
**CHEM 109B - Organic Chemistry (4.00)**
And
**CHEM 109C - Organic Chemistry (4.00)**

**MATH 3A - Calculus with Applications, First Course (4.00)**
And
**MATH 3B - Calculus with Applications, Second Course (4.00)**

**BIOLOGY 101 - Biodiversity and Ecology (5.00)**
And
**BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00)**
And
**BIOLOGY 103 - Molecular Genetics and Physiology (5.00)**

**CHEM 211 - Organic Chemistry for Science Majors I (5.00)**
And
**CHEM 212 - Organic Chemistry for Science Majors II (5.00)**

**CHEM 211 - Organic Chemistry for Science Majors I (5.00)**
- Lower division credit only
And
**CHEM 212 - Organic Chemistry for Science Majors II (5.00)**
- Lower division credit only

**MATH 265 - Calculus with Analytic Geometry I (5.00)**
And
**MATH 266 - Calculus with Analytic Geometry II (5.00)**

**MATH 236 - Calculus for Business and Social Science (5.00)**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 34A</td>
<td>Calculus for Social and Life Sciences</td>
<td>(4.00)</td>
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<tr>
<td>MATH 34B</td>
<td>Calculus for Social and Life Sciences</td>
<td>(4.00)</td>
</tr>
<tr>
<td>PSTAT 5LS</td>
<td>Statistics for Life Sciences</td>
<td>(5.00)</td>
</tr>
<tr>
<td>PSTAT 5A</td>
<td>Statistics</td>
<td>(5.00)</td>
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<tr>
<td>MATH 227</td>
<td>Statistics</td>
<td>(4.00)</td>
</tr>
<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
<td>(4.00)</td>
</tr>
<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
<td>(3.00)</td>
</tr>
<tr>
<td>PHYS 6A</td>
<td>Introductory Physics</td>
<td>(3.00)</td>
</tr>
<tr>
<td>PHYS 6AL</td>
<td>Introductory Experimental Physics</td>
<td>(1.00)</td>
</tr>
<tr>
<td>PHYS 6B</td>
<td>Introductory Physics</td>
<td>(3.00)</td>
</tr>
<tr>
<td>PHYS 6BL</td>
<td>Introductory Experimental Physics</td>
<td>(1.00)</td>
</tr>
<tr>
<td>PHYS 6C</td>
<td>Introductory Physics</td>
<td>(3.00)</td>
</tr>
<tr>
<td>PHYS 6CL</td>
<td>Introductory Experimental Physics</td>
<td>(1.00)</td>
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<tr>
<td>PHYS 6</td>
<td>General Physics I</td>
<td>(4.00)</td>
</tr>
<tr>
<td>PHYS 7</td>
<td>General Physics II</td>
<td>(4.00)</td>
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</table>

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
   2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College
   2017-2017 General Catalog, Semester

MIDDLE EAST STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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MIDDLE EAST STUDIES, B.A.

Please visit the department's website to learn more about this major: www.religion.ucsb.edu

PREPARATION FOR THE MAJOR:

Middle East Studies 45

One course from the following: History 46; Religious Studies 2, 8; Art History 6K; Comparative Literature 32

One of the following language sequences:

- Arabic (Religious Studies 10A-F)
- Modern Hebrew (Hebrew 1-6)
- Persian (Religious Studies 57A-F)
- Turkish (Religious Studies 65A-F)
- Biblical Hebrew and Modern Hebrew (Religious Studies 17A-C plus Hebrew 1-3)
### Note for Native Speakers

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

### Preparation for the Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>MES 45</td>
<td>Introduction to Middle East Studies</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HIST 46</td>
<td>Survey of Middle Eastern History</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 2</td>
<td>Islam and the West from 700-1850</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 8</td>
<td>Islam, Gender, and Modernity</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>ARTHI 6K</td>
<td>Survey: Islamic Art and Architecture</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>C LIT 32</td>
<td>Major Works of Middle Eastern Literatures</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

### Language Requirement

**Refer to TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG ST 10A</td>
<td>Elementary Arabic I (5.00)</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 10B</td>
<td>Elementary Arabic II (5.00)</td>
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<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 10C</td>
<td>Elementary Arabic III (5.00)</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 10D</td>
<td>Intermediate Arabic IV (5.00)</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 10E</td>
<td>Intermediate Arabic V (5.00)</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>RG ST 10F</td>
<td>Intermediate Arabic VI (5.00)</td>
<td>5.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>
**REFER TO TOP OF AGREEMENT**

**Or**

HEB 1 - Elementary Hebrew (4.00)

And

HEB 2 - Elementary Hebrew (4.00)

And

HEB 3 - Elementary Hebrew (4.00)

No Course Articulated

**Or**

HEB 4 - Intermediate Modern Hebrew (4.00)

And

HEB 5 - Intermediate Modern Hebrew (4.00)

And

HEB 6 - Intermediate Modern Hebrew (4.00)

No Course Articulated

**Or**

RG ST 57A - Persian I (5.00)

And

RG ST 57B - Elementary Persian II (5.00)

And

RG ST 57C - Elementary Persian III (5.00)

No Course Articulated

**Or**

RG ST 57D - Intermediate Persian IV (5.00)

And

RG ST 57E - Intermediate Persian V (5.00)

And

RG ST 57F - Intermediate Persian VI (5.00)

No Course Articulated

**Or**

RG ST 65A - Introduction to the Turkish Language I (4.00)

And

RG ST 65B - Introduction to the Turkish Language II (4.00)

And

RG ST 65C - Introduction to the Turkish Language III (4.00)

No Course Articulated

And

No Course Articulated
RG ST 65D - Intermediate Turkish Language IV (4.00)

And

RG ST 65E - Intermediate Turkish Language V (4.00)

And

RG ST 65F - Intermediate Turkish Language VI (4.00)

Or

**REFER TO TOP OF AGREEMENT**

RG ST 17A - Introduction to Biblical Hebrew I (4.00)

And

RG ST 17B - Introduction to Biblical Hebrew II (4.00)

And

RG ST 17C - Introduction to Biblical Hebrew III (4.00)

And

HEB 1 - Elementary Hebrew (4.00)

And

HEB 2 - Elementary Hebrew (4.00)

And

HEB 3 - Elementary Hebrew (4.00)

No Course Articulated

END OF AGREEMENT
Articulation Agreement by Major

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MUSIC, B.M.

GENERAL INFORMATION FOR ALL MAJORS

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BACHELOR OF MUSIC PROGRAM

The Department of Music offers two undergraduate degrees: the Bachelor of Arts in Music Studies (B.A.) and the Bachelor of Music (B.M.), which is a professional degree in performance. The Bachelor of Music degree is open by audition to highly-qualified performance applicants only.

All incoming Music, B.M. majors must take a placement test in written theory skills, aural skills, and a placement audition in class piano. In addition, students must audition for admission to performance classes. All Music, B.M. students are required to register for the Music 3 series (Music 3A-B-C) and encouraged to enroll in French, German, or Italian courses. Students studying orchestral instruments must enroll in orchestra or another appropriate large ensemble (such as wind ensemble).

Performance ensembles are available for all qualified students (including non-majors) pending audition. Ensembles include Wind Ensemble, Chamber Music, several ethnomusicology ensembles, as well as Choirs, Chamber Orchestra, Opera and Piano Ensembles.

For further information about UCSB’s Music major, please contact:
Department of Music
Room 1314 Music Building
University of California
Santa Barbara, CA 93106-6070
(805) 893-5672
Website: www.music.ucsb.edu

EMPHASES

The Bachelor of Music degree is awarded in the following emphases: Bassoon, Cello, Clarinet, Composition, Double Bass, Flute, French Horn, Oboe, Percussion, Piano, Trombone, Trumpet, Tuba, Viola, Violin, Voice (Audition required)

All emphases include the major preparation listed below. A year of French, German or Italian is recommended for most emphases and required for some. Additional requirements vary by emphasis. Please contact the department for more information.

MUSIC, B.M.

Please visit the department's website to learn more about this major: www.music.ucsb.edu

PREPARATION FOR THE MAJOR:

Music 3A-B-C

Music 4A-B-C-D-E-F (placement determined by exam)*

Music 5A-B-C (placement determined by exam)**

Music 10A-B-C

Piano proficiency required - either by successful completion of a piano proficiency audition or by completing Music 31A-B-C (placement by audition)

Additional requirements vary by emphasis - please contact the department for more information

Note: A grade of C- or better is required to advance in the Music 3, Music 4, and Music 5 series.

*Community college courses are not exact equivalents to UCSB’s MUS 4A-B-C-D-E-F series. Music students must take a musicianship placement test after transfer. The test will determine students' placement in, or out of, the appropriate level of UCSB’s MUS 4A-B-C-D-E-F series. Music students are advised to take UC-transferable courses in musicianship.

**Community college courses are not exact equivalents to UCSB’s MUS 5A-B-C series. Music students must take a written theory placement test after transfer. The test will determine students' placement in, or out of, the appropriate level of UCSB’s MUS 5A-B-C series. Music students are advised to take UC-transferable courses in music theory.
**MUS 3A - Introduction to Music Studies (4.00)**  
No Course Articulated

**MUS 3B - Writing about Music (4.00)**  
No Course Articulated

**MUS 3C - Structures of Music (4.00)**  
No Course Articulated

**REFER TO TOP OF AGREEMENT**

- **MUS 4A - Musicianship (1.00)**  
  - And  
  - **MUS 4B - Musicianship (1.00)**  
    - And  
    - **MUS 4C - Musicianship (1.00)**  
      - And  
      - **MUS 4D - Musicianship (1.00)**  
        - And  
        - **MUS 4E - Musicianship (1.00)**  
          - And  
          - **MUS 4F - Musicianship (1.00)**  
            - Placement exam required

**REFER TO TOP OF AGREEMENT**

- **MUS 5A - Theory of Western Art Music: Fundamentals (4.00)**  
  - And  
  - **MUS 5B - Theory of Western Art Music: Harmonic Practices and Analysis I (4.00)**  
    - And  
    - **MUS 5C - Theory of Western Art Music: Harmonic Practices and Analysis II (4.00)**  
      - Placement exam required

- **MUS 10A - History of Music from Early Modern Culture through Modernism (4.00)**  
  - And  
  - **MUS 10B - History of Music from Early Modern Culture through Modernism (4.00)**  
    - And  
    - **MUS 10C - History of Music from Early Modern Culture through Modernism (4.00)**  
      - And  
      - Successful completion of piano proficiency audition

  Or

  - No Course Articulated
MUS 31A - Class Piano (1.00)
And
MUS 31B - Class Piano (1.00)
And
MUS 31C - Class Piano (1.00)
  Placement by audition

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

MUSIC STUDIES, B.A. - ETHNOMUSICOLOGY EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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MUSIC STUDIES, B.A. - ETHNOMUSICOCOLOGY EMPHASIS

Please visit the department’s website to learn more about this major: www.music.ucsb.edu

PREPARATION FOR THE MAJOR:

Music 3A and 3B and 3C

Music 4A (placement exam required)

Music 5A or 11 (placement exam required)

Music 10 (at least one class from A-B-C sequence)

Music 17

Three courses from: Music 8, 20-33, 88, A34 through A70AA-ZZ

Note: A grade of C- or better is required to advance in the Music 3, Music 4, and Music 5 series.

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PREPARATION FOR THE MAJOR

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<tr>
<th>Course</th>
<th>Description</th>
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<td>Introduction to Music Studies (4.00)</td>
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<tr>
<td>MUS 3B</td>
<td>Writing about Music (4.00)</td>
<td>No</td>
</tr>
<tr>
<td>MUS 3C</td>
<td>Structures of Music (4.00)</td>
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</tr>
<tr>
<td>MUS 4A</td>
<td>Musicianship (1.00)</td>
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<tr>
<td>MUS 5A</td>
<td>Theory of Western Art Music: Fundamentals (4.00)</td>
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</tr>
<tr>
<td>MUS 11</td>
<td>Fundamentals of Music (4.00)</td>
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<tr>
<td>MUSIC 101</td>
<td>Fundamentals of Music (3.00)</td>
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- Placement exam required if used for major

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<th>Course Title</th>
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<tr>
<td>Or</td>
<td></td>
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<tr>
<td>MUS 10B</td>
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<td>Or</td>
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<td>MUS 10C</td>
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Select 3 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

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<td>MUS 88</td>
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<td>Other music courses (lessons, performance, ensembles)</td>
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END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

MUSIC STUDIES, B.A. - INTERDISCIPLINARY STUDIES OF MUSIC EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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Performance ensembles are available for all qualified students (including non-majors) pending audition. Ensembles include Wind Ensemble, Chamber Music, several ethnomusicology ensembles, as well as Choirs, Chamber Orchestra, Opera and Piano Ensembles.

For further information about UCSB’s Music Studies major, please contact:
MUSIC STUDIES, B.A. - INTERDISCIPLINARY STUDIES OF MUSIC EMPHASIS

Please visit the department's website to learn more about this major: www.music.ucsb.edu

PREPARATION FOR THE MAJOR:

Music 3A and 3B and 3C

Music 4A (placement exam required)

Music 5A or 11 (placement exam required)

Music 10 (at least one class from A-B-C sequence)

Music 17

Three courses from: Music 8, 20-33, 88, A34 through A70AA-ZZ

Note: A grade of C- or better is required to advance in the Music 3, Music 4, and Music 5 series.

Note: Most performance and ensemble classes at UCSB are open by audition only. Auditions for classes should be taken at the Entrance Auditions before admission (information and dates are available from the program advisor in the music department) or at the beginning of each quarter.

PREPARATION FOR THE MAJOR

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<th>COURSE</th>
<th>DESCRIPTION</th>
<th>ARTICULATION</th>
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<td>Introduction to Music Studies (4.00)</td>
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<tr>
<td>MUS 3B</td>
<td>Writing about Music (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>MUS 3C</td>
<td>Structures of Music (4.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>MUS 4A</td>
<td>Musicianship (1.00)</td>
<td>No Course Articulated</td>
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<tr>
<td></td>
<td>Placement exam required</td>
<td></td>
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<tr>
<td>MUS 5A</td>
<td>Theory of Western Art Music: Fundamentals (4.00)</td>
<td>No Course Articulated</td>
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<td></td>
<td>Placement exam required</td>
<td></td>
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<tr>
<td>Or</td>
<td></td>
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</tr>
<tr>
<td>MUS 11</td>
<td>Fundamentals of Music (4.00)</td>
<td>MUS 101 - Fundamentals of Music (3.00)</td>
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2/3
- Placement exam required if used for major

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<tr>
<th>Course</th>
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<tr>
<td><strong>MUS 10A</strong></td>
<td>History of Music from Early Modern Culture through Modernism (4.00)</td>
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<td>Or</td>
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<tr>
<td><strong>MUS 10B</strong></td>
<td>History of Music from Early Modern Culture through Modernism (4.00)</td>
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<td>Or</td>
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<tr>
<td><strong>MUS 10C</strong></td>
<td>History of Music from Early Modern Culture through Modernism (4.00)</td>
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<tr>
<td><strong>MUS 17</strong></td>
<td>World Music (4.00)</td>
<td>No Course Articulated</td>
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Select 3 Course(s) from the following

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<tr>
<td><strong>MUS 8</strong></td>
<td>Class Composition (2.00)</td>
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</tr>
<tr>
<td><strong>MUS 88</strong></td>
<td>Intermediate Composition (2.00)</td>
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</tr>
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</table>

Other music courses (lessons, performance, ensembles)

- **REFER TO TOP OF AGREEMENT**

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara  
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College  
2017-2017 General Catalog, Semester

MUSIC STUDIES, B.A. - WESTERN ART MUSIC EMPHASIS

GENERAL INFORMATION FOR ALL MAJORS

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PREPARATION FOR THE MAJOR:

Music 3A and 3B and 3C
Music 4A and 4B and 4C (placement determined by exam)*
Music 5A and 5B and 5C (placement determined by exam)**
Music 10A and 10B and 10C
Six courses from: Music 8, 20-33, 88, A34 through A70AA-ZZ

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* Community college courses are not exact equivalents to UCSB's MUS 4A-B-C series. Music students must take a musicianship placement test after transfer. The test will determine students' placement in, or out of, the appropriate level of UCSB's MUS 4A-B-C series. Music students are advised to take UC-transferable courses in musicianship.

** Community college courses are not exact equivalents to UCSB's MUS 5A-B-C series. Music students must take a written theory placement test after transfer. The test will determine students' placement in, or out of, the appropriate level of UCSB's MUS 5A-B-C series. Music students are advised to take UC-transferable courses in music theory.

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<td>Introduction to Music Studies</td>
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<tr>
<td>MUS 3B</td>
<td>Writing about Music</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>MUS 3C</td>
<td>Structures of Music</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**REFER TO TOP OF AGREEMENT**
MUS 4A - Musicianship (1.00)  
And  
MUS 4B - Musicianship (1.00)  
And  
MUS 4C - Musicianship (1.00)  
- Placement exam required  

**REFER TO TOP OF AGREEMENT**

MUS 5A - Theory of Western Art Music: Fundamentals (4.00)  
And  
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And  
MUS 5C - Theory of Western Art Music: Harmonic Practices and Analysis II (4.00)  
- Placement exam required  

MUS 10A - History of Music from Early Modern Culture through Modernism (4.00)  
And  
MUS 10B - History of Music from Early Modern Culture through Modernism (4.00)  
And  
MUS 10C - History of Music from Early Modern Culture through Modernism (4.00)  

Select 6 Course(s) from the following  
**REFER TO TOP OF AGREEMENT**  

MUS 8 - Class Composition (2.00)  
MUS 88 - Intermediate Composition (2.00)  
Other music courses (lessons, performance, ensembles)  
- **REFER TO TOP OF AGREEMENT**

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara  
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College  
2017-2017 General Catalog, Semester

MUSIC STUDIES, B.A.

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**PREPARATION FOR THE MAJOR:**

Music 3A and 3B and 3C

Music 4A (placement exam required)

Music 5A or 11 (placement exam required)

Music 10 (at least one class from A-B-C sequence)

Music 17

Three courses from: Music 8, 20-33, 88, A34 through A70AA-ZZ

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<tr>
<td><strong>MUS 4A</strong> - Musicianship (1.00)</td>
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<tr>
<td>▪ Placement exam required</td>
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<td><strong>MUS 5A</strong> - Theory of Western Art Music: Fundamentals (4.00)</td>
<td>No Course Articulated</td>
<td></td>
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<tr>
<td>▪ Placement exam required</td>
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<tr>
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**Or**

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<tr>
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<td>History of Music from Early Modern Culture through Modernism (4.00)</td>
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<td>MUS 10C</td>
<td>History of Music from Early Modern Culture through Modernism (4.00)</td>
<td>No Course Articulated</td>
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<td>MUS 17</td>
<td>World Music (4.00)</td>
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Select 3 Course(s) from the following

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<td>Class Composition (2.00)</td>
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<td>MUS 88</td>
<td>Intermediate Composition (2.00)</td>
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Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara 2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College 2017-2017 General Catalog, Semester

PHARMACOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. **Admission to the pre-major does not guarantee admission to full major status.**

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

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**PHARMACOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B-109C

Mathematics 3A-3B or 34A-34B

One of the following: PSTAT 5LS or PSTAT 5A or Mathematics 4A or Psychology 5

Physics 6A-6AL-6B-6BL-6C-6CL

---

**PREPARATION FOR THE MAJOR**

**Refer to top of agreement**

Complete entire sequence prior to transfer

Required for admission

<table>
<thead>
<tr>
<th>CHEM 1A</th>
<th>General Chemistry (3.00)</th>
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<tr>
<td>And</td>
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<tr>
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<td>General Chemistry Laboratory (2.00)</td>
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<tr>
<td>CHEM 1B</td>
<td>General Chemistry (3.00)</td>
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<tr>
<td>CHEM 1BL</td>
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<td>And</td>
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<td>CHEM 1C</td>
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<td>CHEM 1CL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<table>
<thead>
<tr>
<th>CHEM 101</th>
<th>General Chemistry I (5.00)</th>
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<table>
<thead>
<tr>
<th>CHEM 102</th>
<th>General Chemistry II (5.00)</th>
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**REFER TO TOP OF AGREEMENT**
Complete entire sequence prior to transfer
Required for admission

<table>
<thead>
<tr>
<th>EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00)</th>
<th>BIOLOGY 101 - Biodiversity and Ecology (5.00)</th>
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<tbody>
<tr>
<td><strong>And</strong></td>
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<tr>
<td>EEMB 2L - Introductory Biology Laboratory II (1.00)</td>
<td>BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00)</td>
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<tr>
<td>Same-As: MCDB 1BL</td>
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<td><strong>And</strong></td>
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<tr>
<td>EEMB 3 - Introductory Biology III (3.00)</td>
<td>BIOLOGY 103 - Molecular Genetics and Physiology (5.00)</td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>EEMB 3L - Introductory Biology Laboratory III (1.00)</td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>MCDB 1A - Introductory Biology I (4.00)</td>
<td><strong>And</strong></td>
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<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>MCDB 1AL - Introductory Biology Laboratory I (1.00)</td>
<td><strong>And</strong></td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>MCDB 1B - Introductory Biology II - Physiology (3.00)</td>
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<tr>
<td>▪ Articulates as a sequence only</td>
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<table>
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<tr>
<th>CHEM 6AL - Laboratory Methods of Organic Chemistry (3.00)</th>
<th>CHEM 211 - Organic Chemistry for Science Majors I (5.00)</th>
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<tr>
<td>CHEM 6BL - Laboratory Methods of Organic Chemistry (3.00)</td>
<td>CHEM 212 - Organic Chemistry for Science Majors II (5.00)</td>
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<table>
<thead>
<tr>
<th>CHEM 109A - Organic Chemistry (4.00)</th>
<th>CHEM 211 - Organic Chemistry for Science Majors I (5.00)</th>
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<td><strong>And</strong></td>
<td>▪ Lower division credit only</td>
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<tr>
<td>CHEM 109B - Organic Chemistry (4.00)</td>
<td>CHEM 212 - Organic Chemistry for Science Majors II (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td>▪ Lower division credit only</td>
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<td>CHEM 109C - Organic Chemistry (4.00)</td>
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<thead>
<tr>
<th>MATH 3A - Calculus with Applications, First Course (4.00)</th>
<th>MATH 265 - Calculus with Analytic Geometry I (5.00)</th>
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<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>MATH 3B - Calculus with Applications, Second Course (4.00)</td>
<td>MATH 266 - Calculus with Analytic Geometry II (5.00)</td>
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<td><strong>Or</strong></td>
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<table>
<thead>
<tr>
<th>MATH 236 - Calculus for Business and Social Science (5.00)</th>
<th><strong>Or</strong></th>
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</table>
MATH 34A - Calculus for Social and Life Sciences (4.00)

And

MATH 34B - Calculus for Social and Life Sciences (4.00)

PSTAT 5LS - Statistics for Life Sciences (5.00) ← No Course Articulated

Or

PSTAT 5A - Statistics (5.00) ← MATH 227 - Statistics (4.00)

Or

MATH 4A - Linear Algebra with Applications (4.00) ← MATH 270 - Linear Algebra (3.00)

Or

PSY 5 - Introductory Statistics (5.00) ←

MATH 227 - Statistics (4.00)

- Acceptable substitute

Or

STAT 1 - Elementary Statistics I for the Social Sciences (3.00)

- Acceptable substitute

PHYS 6A - Introductory Physics (3.00)

And

PHYS 6AL - Introductory Experimental Physics (1.00)

And

PHYS 6B - Introductory Physics (3.00)

And

PHYS 6BL - Introductory Experimental Physics (1.00)

And

PHYS 6C - Introductory Physics (3.00)

And

PHYS 6CL - Introductory Experimental Physics (1.00)

PHYSICS 6 - General Physics I (4.00)

And

PHYSICS 7 - General Physics II (4.00)

END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

PHILOSOPHY, B.A.

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PHILOSOPHY, B.A.

Please visit the department's website to learn more about this major: www.philosophy.ucsb.edu

Students must follow the requirements of one of the two concentrations: Core Philosophy or Ethics and Public Policy.

CONCENTRATION I: CORE PHILOSOPHY

PREPARATION FOR THE MAJOR:

Required: Philosophy 3

Recommended: Philosophy 20A-B-C

CONCENTRATION II: ETHICS AND PUBLIC POLICY

PREPARATION FOR THE MAJOR:
**Required:** Philosophy 3

**Recommended:** Philosophy 4 or 6 or 7

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**Preparation for the Major**

**PHIL 3** - Critical Thinking (4.00)  \[\rightarrow\]  **PHILOS 6** - Logic in Practice (3.00)

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**Core Philosophy Concentration**

Recommended; Not required for the major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
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<td>PHIL 20A</td>
<td>History of Philosophy (4.00)</td>
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<tr>
<td>PHIL 20B</td>
<td>History of Philosophy (4.00)</td>
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<tr>
<td>PHIL 20C</td>
<td>History of Philosophy (4.00)</td>
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And

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>No Course Articulated</td>
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</tbody>
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**Ethics and Public Policy Concentration**

Recommended; Not required for the major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHIL 4</td>
<td>Introduction to Ethics (4.00)</td>
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<tr>
<td>PHIL 6</td>
<td>Professional and Business Ethics (4.00)</td>
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</tr>
<tr>
<td>PHIL 7</td>
<td>Biomedical Ethics (4.00)</td>
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</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHILOS 20</td>
<td>Ethics (3.00)</td>
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</table>

Or

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Course Articulated</td>
<td></td>
<td></td>
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</tbody>
</table>

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**End of Agreement**
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

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2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

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PHYSICAL GEOGRAPHY, B.S.

Please visit the department's website to learn more about this major: www.geog.ucsb.edu

PREPARATION FOR THE MAJOR:

Geography 3A and 3B and 5

Math 3A and 3B and 4A

Physics 6A-6B-6C or Physics 1-2-3-3L-4-4L

PSTAT 5A or PSTAT 5LS

Chemistry 1A-1AL

12 elective quarter units (8 semester units) from: Chemistry 1B-1BL, 1C-1CL; MCDB 1A-1AL, 1-B-1BL; EEMB 2-2L, 3-3L; Earth Science 2, 3, 4; Astronomy 1, 2; Math 4B, 6A, 6B, 8
**Note:** Chemistry 1A-B-C is prerequisite to MCDB 1A-1AL

**Strongly recommended:** Computer Science 8; Geography 12; any additional courses from the above elective selection

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**PREPARATION FOR THE MAJOR**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Articulated Course</th>
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<td>GEOG 3A</td>
<td>Oceans and Atmosphere (4.00)</td>
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<tr>
<td>GEOG 3B</td>
<td>Land, Water and Life (4.00)</td>
<td>GEOG 1 - Physical Geography (3.00)</td>
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<tr>
<td>GEOG 5</td>
<td>People, Place and Environment (4.00)</td>
<td>GEOG 2 - Cultural Elements of Geography (3.00)</td>
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<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First Course (4.00)</td>
<td>MATH 265 - Calculus with Analytic Geometry I (5.00)</td>
</tr>
<tr>
<td>MATH 3B</td>
<td>Calculus with Applications, Second Course (4.00)</td>
<td>MATH 266 - Calculus with Analytic Geometry II (5.00)</td>
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<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications (4.00)</td>
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Select 1 Sequence(s) from the following

**Or**

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<td>Introductory Physics (3.00)</td>
<td>PHYSICS 6 - General Physics I (4.00)</td>
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<tr>
<td>PHYS 6B</td>
<td>Introductory Physics (3.00)</td>
<td>PHYSICS 7 - General Physics II (4.00)</td>
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<tr>
<td>PHYS 6C</td>
<td>Introductory Physics (3.00)</td>
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**Or**

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<tr>
<td>PHYS 2</td>
<td>Basic Physics (4.00)</td>
<td>PHYSICS 37 - Physics for Engineers and Scientists II (5.00)</td>
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<td>Basic Physics (3.00)</td>
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<td>PHYSICS 39</td>
<td>Physics for Engineers and Scientists III (5.00)</td>
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<td>MATH 227</td>
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<td>PSTAT 5A</td>
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<td>PSTAT 5LS</td>
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<tr>
<td>EEMB 2</td>
<td>Introductory Biology II - Ecology and Evolution (3.00)</td>
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<td>EARTH 2</td>
<td>Principles of Physical Geology (4.00)</td>
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<td>GEOLOGY 1</td>
<td>Physical Geology (3.00)</td>
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Select 12 Quarter Unit(s) from the following

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<td>Principles of Historical Geology</td>
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<tr>
<td>EARTH 4</td>
<td>Introduction to Oceanography</td>
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<tr>
<td>ASTRO 1</td>
<td>Basic Astronomy</td>
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<td>History of the Universe</td>
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<td>Differential Equations</td>
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<td>Vector Calculus with Applications, First Course</td>
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<td>Vector Calculus with Applications, Second Course</td>
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<td>Physical Geology Laboratory</td>
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<td>OCEANO 1</td>
<td>Introduction to Oceanography</td>
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<td>ASTRON 1</td>
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<td>Ordinary Differential Equations</td>
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<td>CO SCI 344</td>
<td>Introduction to JAVA</td>
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<td>GEOG 12</td>
<td>Maps and Spatial Reasoning</td>
<td>4.00</td>
<td>No Course Articulated</td>
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</table>

**STRONGLY RECOMMENDED**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Articulation</th>
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<tbody>
<tr>
<td>CMPSC 8</td>
<td>Introduction to Computer Science</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>GEOG 12</td>
<td>Maps and Spatial Reasoning</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

**REFER TO TOP OF AGREEMENT**

- Any additional courses from the above elective selection
- No Course Articulated

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

PHYSICS, B.A. & B.S.

GENERAL INFORMATION FOR ALL MAJORS

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PHYSICS, B.A. & B.S.

Please visit the department's website to learn more about this major: www.physics.ucsb.edu

PREPARATION FOR THE MAJOR:

Physics 20-21-22-23-24-25
Physics 3L-4L-(5L or 25L)
Chemistry 1A-B
Mathematics 3A-B, 4A-B, 6A-B

Students must earn a minimum grade of C in all major-applicable courses in order to satisfy UCSB major requirements.
**PREPARATION FOR THE MAJOR**

***REFER TO TOP OF AGREEMENT***

<table>
<thead>
<tr>
<th>PHYS 20 - General Physics (4.00)</th>
<th>PHYSICS 37 - Physics for Engineers and Scientists I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>PHYS 21 - General Physics (4.00)</td>
<td>PHYSICS 38 - Physics for Engineers and Scientists II (5.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td>PHYS 22 - General Physics (4.00)</td>
<td>PHYSICS 39 - Physics for Engineers and Scientists III (5.00)</td>
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<tr>
<td>PHYS 23 - General Physics (4.00)</td>
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<td><strong>And</strong></td>
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<tr>
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<td>PHYS 4L - Physics Laboratory (1.00)</td>
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<td>PHYS 25 - General Physics (4.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td>PHYS 5L - Physics Laboratory (1.00)</td>
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***REFER TO TOP OF AGREEMENT***

<table>
<thead>
<tr>
<th>CHEM 1A - General Chemistry (3.00)</th>
<th>CHEM 101 - General Chemistry I (5.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>CHEM 1B - General Chemistry (3.00)</td>
<td>CHEM 102 - General Chemistry II (5.00)</td>
</tr>
</tbody>
</table>

***REFER TO TOP OF AGREEMENT***

| MATH 3A - Calculus with Applications, First Course (4.00) | MATH 265 - Calculus with Analytic Geometry I (5.00)        |

***REFER TO TOP OF AGREEMENT***

| MATH 3B - Calculus with Applications, Second Course (4.00) | MATH 266 - Calculus with Analytic Geometry II (5.00)        |

***REFER TO TOP OF AGREEMENT***

| MATH 4A - Linear Algebra with Applications (4.00)         | MATH 270 - Linear Algebra (3.00)                           |

***REFER TO TOP OF AGREEMENT***

| MATH 4B - Differential Equations (4.00)                   | MATH 275 - Ordinary Differential Equations (3.00)          |

***REFER TO TOP OF AGREEMENT***

| MATH 6A - Vector Calculus with Applications, First Course (4.00) | MATH 267 - Calculus with Analytic Geometry III (5.00) |

***REFER TO TOP OF AGREEMENT***

| MATH 6B - Vector Calculus with Applications, Second Course (4.00) | MATH 267 - Calculus with Analytic Geometry III (5.00) |
END OF AGREEMENT
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PHYSIOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

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**PHYSIOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Chemistry 6AL-6BL and 109A-109B-109C

Mathematics 3A-3B or 34A-34B

One of the following: PSTAT 5LS or PSTAT 5A (Mathematics 4A acceptable, but not recommended)

Physics 6A-6AL-6B-6BL-6C-6CL

---

**PREPARATION FOR THE MAJOR**

****REFER TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

<table>
<thead>
<tr>
<th>CHEM 1A</th>
<th>General Chemistry (3.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM 1AL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Chemistry (3.00)</td>
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<td><strong>And</strong></td>
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</tr>
<tr>
<td>CHEM 1BL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<tr>
<td><strong>And</strong></td>
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<td>CHEM 1C</td>
<td>General Chemistry (3.00)</td>
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<tr>
<td><strong>And</strong></td>
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<td>CHEM 1CL</td>
<td>General Chemistry Laboratory (2.00)</td>
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<table>
<thead>
<tr>
<th>CHEM 101</th>
<th>General Chemistry I (5.00)</th>
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<tr>
<td><strong>And</strong></td>
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</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II (5.00)</td>
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</tbody>
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**REFER TO TOP OF AGREEMENT**
Complete entire sequence prior to transfer
Required for admission

<table>
<thead>
<tr>
<th>EEMB 2 - Introductory Biology II - Ecology and Evolution (3.00)</th>
<th>BIOLOGY 101 - Biodiversity and Ecology (5.00)</th>
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<tbody>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>EEMB 2L - Introductory Biology Laboratory II (1.00) Same-As: MCDB 1BL</td>
<td>BIOLOGY 102 - Molecular Cell Biology and Evolution (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>EEMB 3 - Introductory Biology III (3.00)</td>
<td>BIOLOGY 103 - Molecular Genetics and Physiology (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>EEMB 3L - Introductory Biology Laboratory III (1.00)</td>
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</tr>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>MCDB 1A - Introductory Biology I (4.00)</td>
<td><strong>And</strong></td>
</tr>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>MCDB 1AL - Introductory Biology Laboratory I (1.00)</td>
<td><strong>And</strong></td>
</tr>
<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>MCDB 1B - Introductory Biology II - Physiology (3.00)</td>
<td><strong>And</strong></td>
</tr>
<tr>
<td>□ Articulates as a sequence only</td>
<td><strong>And</strong></td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>CHEM 6AL - Laboratory Methods of Organic Chemistry (3.00)</td>
<td>CHEM 211 - Organic Chemistry for Science Majors I (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>CHEM 6BL - Laboratory Methods of Organic Chemistry (3.00)</td>
<td>CHEM 212 - Organic Chemistry for Science Majors II (5.00)</td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>CHEM 109A - Organic Chemistry (4.00)</td>
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<tr>
<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>CHEM 109B - Organic Chemistry (4.00)</td>
<td>CHEM 211 - Organic Chemistry for Science Majors I (5.00)</td>
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<td><strong>And</strong></td>
<td>□ Lower division credit only</td>
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<td>CHEM 109C - Organic Chemistry (4.00)</td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>MATH 3A - Calculus with Applications, First Course (4.00)</td>
<td>CHEM 212 - Organic Chemistry for Science Majors II (5.00)</td>
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<tr>
<td><strong>And</strong></td>
<td>□ Lower division credit only</td>
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<tr>
<td>MATH 3B - Calculus with Applications, Second Course (4.00)</td>
<td><strong>And</strong></td>
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<td><strong>And</strong></td>
<td><strong>And</strong></td>
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<tr>
<td>MATH 265 - Calculus with Analytic Geometry I (5.00)</td>
<td>MATH 266 - Calculus with Analytic Geometry II (5.00)</td>
</tr>
<tr>
<td><strong>Or</strong></td>
<td><strong>Or</strong></td>
</tr>
<tr>
<td>MATH 236 - Calculus for Business and Social Science (5.00)</td>
<td><strong>Or</strong></td>
</tr>
</tbody>
</table>
MATH 34A - Calculus for Social and Life Sciences (4.00)

And

MATH 34B - Calculus for Social and Life Sciences (4.00)

PSTAT 5LS - Statistics for Life Sciences (5.00) ← No Course Articulated

Or

PSTAT 5A - Statistics (5.00) ← MATH 227 - Statistics (4.00)

Or

MATH 4A - Linear Algebra with Applications (4.00)
  □ Acceptable; Not recommended

  MATH 270 - Linear Algebra (3.00)

PHYS 6A - Introductory Physics (3.00)

And

PHYS 6A1 - Introductory Experimental Physics (1.00)

And

PHYS 6B - Introductory Physics (3.00)

And

PHYS 6B1 - Introductory Experimental Physics (1.00)

And

PHYS 6C - Introductory Physics (3.00)

And

PHYS 6C1 - Introductory Experimental Physics (1.00)

PHYSICS 6 - General Physics I (4.00)

And

PHYSICS 7 - General Physics II (4.00)

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POLITICAL SCIENCE, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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POLITICAL SCIENCE, B.A.

Please visit the department's website to learn more about this major: www.polsci.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Political Science, not directly to the major. Admission to the full major is contingent upon completion of Political Science 1, 6, 7, 12, and 15 with a grade point average of 2.6 or better in those courses completed at the University of California. (Only UC grades go into the pre-major GPA. Transfer courses taken outside of UC may satisfy pre-major requirements, but they are not part of the pre-major GPA.) Students must also complete Economics 1 and 2 (or 9) on a letter graded basis. Economics 1 and 2 (or 9) are excluded from the pre-major GPA but are included in the overall major GPA. Because the criteria are subject to annual review and revision, transfer students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. Admission to the pre-major does not guarantee admission to full major status.

PRE-MAJOR COURSES:
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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>POL S 1</td>
<td>Introduction to Political Philosophy</td>
<td>4.00</td>
<td>No Course Articulated</td>
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<tr>
<td>POL S 6</td>
<td>Introduction to Comparative Politics</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>POL S 7</td>
<td>Introduction to International Relations</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>POL S 12</td>
<td>American Government and Politics</td>
<td>4.00</td>
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</tr>
<tr>
<td>POL S 15</td>
<td>Introduction to Research in Political Science</td>
<td>5.00</td>
<td>No Course Articulated</td>
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<tr>
<td>ECON 1</td>
<td>Principles of Economics-Micro</td>
<td>4.00</td>
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<tr>
<td>ECON 2</td>
<td>Principles of Economics-Macro</td>
<td>4.00</td>
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<tr>
<td>ECON 9</td>
<td>Introduction to Economics</td>
<td>4.00</td>
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**Pre-Major Requirements**

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PORTUGUESE, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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PORTUGUESE, B.A.

Please visit the department's website to learn more about this major: www.spanport.ucsb.edu

PREPARATION FOR THE MAJOR

Portuguese 1, 2, 3, 4, 5, 6 (or equivalent)

NOTE: A grade of "C" or higher is required to progress in lower-division Portuguese courses.

NOTE FOR NATIVE SPEAKERS

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that
language. Please contact the department about a language proficiency exam. Performance on language proficiency exams may satisfy major requirements.

PREPARATION FOR THE MAJOR

**PORT 1** - Elementary Portuguese (4.00)
And
**PORT 2** - Elementary Portuguese (4.00)
And
**PORT 3** - Elementary Portuguese (4.00)
- Or equivalent

No Course Articulated

**PORT 4** - Intermediate Portuguese (4.00)
And
**PORT 5** - Intermediate Portuguese (4.00)
And
**PORT 6** - Intermediate Portuguese (4.00)
- Or equivalent

No Course Articulated

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PSYCHOLOGICAL AND BRAIN SCIENCES, B.S.

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PSYCHOLOGICAL AND BRAIN SCIENCES, B.S.

Please visit the department's website to learn more about this major: www.psych.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Psychological and Brain Sciences, not directly to the major. Admission to the full Psychological and Brain Sciences major is contingent upon fulfilling the following requirements:

1. The courses in Area I must be completed with a grade point average of 2.7 or higher in courses completed at the University of California
2. The courses in Area II must be completed with a grade point average of 2.0 or higher in courses completed at the University of California
3. No Pre-Major course with a grade lower than C-
4. Not more than one Pre-Major course with a C-
5. No Pre-Major courses taken PASS/NOT PASS
6. Students must satisfy Pre-Major courses and GPA requirements prior to the completion of 144 total quarter units.

**Only UC grades go into the Pre-Major GPA.** Transfer courses taken outside of UC may satisfy Pre-Major requirements, but they are not part of the Pre-Major GPA.

Because the criteria are subject to annual review and revision, transfer students should contact the department to obtain current information regarding specific additional criteria for admission to the full major. **Admission to the pre-major does not guarantee admission to full major status.**

**PRE-MAJOR**

**Area I courses:**

Psychology 1*

Mathematics 34A or 3A*

PSTAT 5A or equivalent*

Psychology 10A and 10B (must be taken at UCSB)*

* Students must complete **PSY 1, MATH 34A or 3A, PSTAT 5A or equivalent, and CHEM 1A-1B** prior to enrolling in **PSY 10A**, and PSY 10A is a prerequisite for PSY 10B. **Transfer students should complete these courses prior to transfer** so they can take PSY 10A at UCSB as soon as possible after transfer.

**Area II courses:**

Chemistry 1A-1B*

MCDB 1A or 6 and EEMB 2 or 7

* Students must complete **PSY 1, MATH 34A or 3A, PSTAT 5A or equivalent, and CHEM 1A-1B** prior to enrolling in **PSY 10A**, and PSY 10A is a prerequisite for PSY 10B. **Transfer students should complete these courses prior to transfer** so they can take PSY 10A at UCSB as soon as possible after transfer.

**PREPARATION FOR THE MAJOR**

**Area III courses:**

Four courses from the following: Anthropology 2, 5, 7; Earth Science 2, 3; EEMB 3; Environmental Studies 1, 2, 3; Geography 5; MCDB 20, 29; Chemistry 1C; Computer Science 8, 16; Mathematics 3B, 4A, 4B, 34B; Physics 1, 2, 3, 20; Comparative Literature 27; Economics 1, 2, 9; Linguistics 20, 50, 70; Philosophy 3, 4; Political Science 1; Religious Studies 15

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**PRE-MAJOR REQUIREMENTS - AREA I**

**REFER TO TOP OF AGREEMENT**

Recommended to be completed prior to transfer

| PSY 1 - Introduction to Psychology (4.00) | PSYCH 1 - General Psychology I (3.00) |

**REFER TO TOP OF AGREEMENT**

Recommended to be completed prior to transfer
**REFER TO TOP OF AGREEMENT**
Recommended to be completed prior to transfer

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 34A - Calculus for Social</td>
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<tr>
<td>MATH 3A - Calculus with</td>
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<tr>
<td>Applications, First</td>
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<tbody>
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<td>Geometry I</td>
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**PRE-MAJOR REQUIREMENTS - AREA II**

**REFER TO TOP OF AGREEMENT**
Recommended to be completed prior to transfer

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<table>
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<th>Course</th>
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<tbody>
<tr>
<td>CHEM 1B - General Chemistry</td>
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<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>MCDB 1A - Introductory Biology</td>
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<thead>
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<tbody>
<tr>
<td>EEMB 2 - Introductory Biology</td>
<td>3.00</td>
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<tr>
<td>II - Ecology and Evolution</td>
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<td>BIOLOGY 101 - Biodiversity and</td>
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<td>Ecology</td>
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<td>BIOLOGY 102 - Molecular Cell</td>
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<th>Course</th>
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<td>BIOLOGY 103 - Molecular Genetics</td>
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**Refer to Top of Agreement**

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**PREPARATION FOR THE MAJOR - AREA III**

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<td>Course Code</td>
<td>Course Title</td>
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</tr>
<tr>
<td>ANTH 2</td>
<td>Introductory Cultural Anthropology (4.00)</td>
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<tr>
<td>ANTH 5</td>
<td>Introductory Biological Anthropology (4.00)</td>
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<td>ANTH 7</td>
<td>Introductory Biosocial Anthropology (4.00)</td>
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<td>CHEM 1C</td>
<td>General Chemistry (3.00)</td>
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<td>C LIT 27</td>
<td>Memory: Bridging the Humanities and Neurosciences (3.00)</td>
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<td>Problem Solving with Computers I (4.00)</td>
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<td>Principles of Physical Geology (4.00)</td>
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<td>EARTH 3</td>
<td>Principles of Historical Geology (4.00)</td>
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<td>ECON 1</td>
<td>Principles of Economics-Micro (4.00)</td>
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<td>Introductory Biology III (3.00)</td>
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<td>People, Place and Environment (4.00)</td>
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<td>Language and Linguistics (4.00)</td>
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<td>MATH 3B</td>
<td>Calculus with Applications, Second Course</td>
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<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
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<td>Differential Equations</td>
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<td>MATH 34B</td>
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<td>MCDB 20</td>
<td>Concepts of Biology</td>
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<td>MCDB 29</td>
<td>Fundamentals of Biomedical Research</td>
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<td>PHIL 3</td>
<td>Critical Thinking</td>
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<td>PHIL 4</td>
<td>Introduction to Ethics</td>
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<td>PHYS 1</td>
<td>Basic Physics</td>
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<td>PHYS 2</td>
<td>Basic Physics</td>
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<tr>
<td>PHYS 3</td>
<td>Basic Physics</td>
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<tr>
<td>POL S 1</td>
<td>Introduction to Political Philosophy</td>
</tr>
<tr>
<td>RG ST 15</td>
<td>Religion and Psychology</td>
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END OF AGREEMENT
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

RELIGIOUS STUDIES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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RELIGIOUS STUDIES, B.A.

Please visit the department's website to learn more about this major: www.religion.ucsb.edu

PREPARATION FOR THE MAJOR:

Two lower-division Religious Studies courses, except language courses

Students may select 1 lower-division course from Area A and 1 lower-division courses from Area B. Alternatively, by petition students may select 2 lower-division courses from Area A, provided that they represent different cultural areas and traditions.

A. Introductions to Cultural Areas and Traditions: RG ST 3, 4, 5, 7, 14, 18, 19, 20, 21, 23, 25, 26, 31, 47, 61B, 71, 73, 80A-B-C, 84

B. Introductions to Topics in the Study of Religion: RG ST 1, 2, 6, 8, 9, 12, 15, 24, 27, 32, 33, 34, 35, 62, 74, 81, 82, 83, 85
# PREPARATION FOR THE MAJOR - AREA A

Select 1 Course(s) from the following

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<th>Course Code</th>
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<tr>
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<td>Introduction to Asian Religious Traditions</td>
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<td>RG ST 4</td>
<td>Introduction to Buddhism</td>
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<td></td>
<td>Same-As: EACS 5</td>
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<td>RG ST 5</td>
<td>Introduction to Judaism, Christianity, and Islam</td>
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<td>RG ST 7</td>
<td>Introduction to American Religion</td>
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<td>RG ST 14</td>
<td>Introduction to Native American Religious Studies</td>
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<tr>
<td>RG ST 18</td>
<td>Comparing Religions</td>
<td>4.00</td>
<td>PHILOS 33 - Comparative Survey of World Religions (3.00)</td>
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<td>RG ST 19</td>
<td>The Gods and Goddesses of India</td>
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<td>RG ST 20</td>
<td>Indic Civilization</td>
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<td>RG ST 21</td>
<td>Zen Buddhism</td>
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<td>RG ST 25</td>
<td>Global Catholicism Today</td>
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<td>RG ST 26</td>
<td>Introduction to Jewish Mysticism</td>
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<td>RG ST 31</td>
<td>The Religions of Tibet</td>
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<td>RG ST 47</td>
<td>Introduction to Taoism</td>
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<td>RG ST 61B</td>
<td>Religion in Black America (Part II)</td>
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<td>RG ST 71</td>
<td>Introduction to Religion in Asian America</td>
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<td>Same-As: AS AM 71</td>
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<td>RG ST 73</td>
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<td>Religion and Western Civilization I: Ancient</td>
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<tr>
<td>RG ST 80B</td>
<td>Religion and Western Civilization II: Medieval</td>
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<td>RG ST 80C</td>
<td>Religion and Western Civilization III: Modern</td>
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<td>RG ST 84</td>
<td>Introduction to Islamic Civilization</td>
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## PREPARATION FOR THE MAJOR - AREA B

Select 1 Course(s) from the following

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<td>Islam and the West from 700-1850 (4.00)</td>
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<td>RG ST 6</td>
<td>Islam and Modernity (4.00)</td>
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<td>Islam, Gender, and Modernity (4.00)</td>
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<td>RG ST 9</td>
<td>Ethnicity and Religion (4.00)</td>
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<td>Religious Approaches to Death (4.00)</td>
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<td>Religion and Psychology (4.00)</td>
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<td>Teachings of Jesus in Comparative Perspective (4.00)</td>
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<td>Varieties of Mystical Experience in the Abrahamic Religions: Judaism, Christianity, and Islam (4.00)</td>
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<td>Contemporary Chinese Religions (4.00)</td>
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<td>Catholic Ritual in the Middle Ages (4.00)</td>
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<td>Saints and Miracles in the Catholic Tradition (4.00)</td>
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<td>Introduction to Religion and Politics (5.00)</td>
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<td>Dark Goddesses and Black Madonnas (4.00)</td>
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<td>The Western Discovery of Buddhism (4.00)</td>
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<td>Modern Arab Culture (4.00)</td>
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<td>Music and Religion (4.00)</td>
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<td>Pilgrimage (4.00)</td>
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END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

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2017-2017 General Catalog, Semester

RENAISSANCE STUDIES, B.A.

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RENAISSANCE STUDIES, B.A.

Please visit the department's website to learn more about this major: www.renaissancesudies.ucsb.edu

PREPARATION FOR THE MAJOR:

History 2A (or 4A), 4B; or Art History 6A, 6B; or Religious Studies 80A, 80B

Recommended courses: Classics 20A, 20B; English 116A, 116B; French 50AX

A reading knowledge of Latin and a modern European language will be necessary for those who plan to continue their studies on the graduate level. However, they are not required for the major.

PREPARATION FOR THE MAJOR
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<td>World History (4.00)</td>
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<td>HIST 4B</td>
<td>Western Civilization (4.00)</td>
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<td>HISTORY 86</td>
<td>Introduction to World Civilization I (3.00)</td>
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<td>Introduction to Western Civilization I (3.00)</td>
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<td>HIST 4A</td>
<td>Western Civilization (4.00)</td>
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<td>HIST 4B</td>
<td>Western Civilization (4.00)</td>
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<td>Introduction to Western Civilization II (3.00)</td>
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<td>Art Survey I: Ancient-Medieval Art (4.00)</td>
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<td>ARTHI 6B</td>
<td>Art Survey II: Renaissance-Baroque Art (4.00)</td>
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<td>ART 101</td>
<td>Survey of Art History I (3.00)</td>
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<td>ART 102</td>
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<td>Religion and Western Civilization I: Ancient (4.00)</td>
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<tr>
<td>RG ST 80B</td>
<td>Religion and Western Civilization II: Medieval (4.00)</td>
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<td>The Ancient Greeks (4.00)</td>
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<td>CLASS 20B</td>
<td>The Romans (4.00)</td>
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<td>FR 50AX</td>
<td>Tales of Love in the Western Tradition (4.00)</td>
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**RECOMMENDED COURSES**

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLASS 20A</td>
<td>The Ancient Greeks (4.00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLASS 20B</td>
<td>The Romans (4.00)</td>
<td></td>
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<tr>
<td>FR 50AX</td>
<td>Tales of Love in the Western Tradition (4.00)</td>
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</table>

**END OF AGREEMENT**
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter
From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

SLAVIC LANGUAGES AND LITERATURES, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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SLAVIC LANGUAGES AND LITERATURES, B.A.

Please visit the department's website to learn more about this major: www.gss.ucsb.edu

PREPARATION FOR THE MAJOR:

Slavic 1, 2, 3, 4, 5, 6

Recommended: History 4A-B-C; Slavic 33

NOTE FOR NATIVE SPEAKERS

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that
language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

## PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td><strong>SLAV 1</strong> - Elementary Russian (5.00)</td>
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<tr>
<td><strong>And</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>SLAV 2</strong> - Elementary Russian (5.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>SLAV 3</strong> - Elementary Russian (5.00)</td>
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<tr>
<td><strong>Or equivalent</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>No Course Articulated</strong></td>
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<td><strong>SLAV 5</strong> - Intermediate Russian (5.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>SLAV 6</strong> - Intermediate Russian (5.00)</td>
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<td><strong>Or equivalent</strong></td>
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## RECOMMENDED

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<tr>
<td><strong>HIST 4A</strong> - Western Civilization (4.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HIST 4B</strong> - Western Civilization (4.00)</td>
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<tr>
<td><strong>And</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>HIST 4C</strong> - Western Civilization (4.00)</td>
<td></td>
<td></td>
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<tr>
<td><strong>HISTORY 1</strong> - Introduction to Western Civilization I (3.00)</td>
<td></td>
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<tr>
<td><strong>And</strong></td>
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<td></td>
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<tr>
<td><strong>HISTORY 2</strong> - Introduction to Western Civilization II (3.00)</td>
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<tr>
<td><strong>SLAV 33</strong> - Russian Culture (4.00)</td>
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## END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

SOCILOGY, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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SOCILOGY, B.A.

Please visit the department's website to learn more about this major: www.soc.ucsb.edu

PRE-MAJOR INFORMATION

Students are admitted initially to Pre-Sociology, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of at least 2.3 in Area A and Area B courses completed at the University of California. (Only UC grades go into the pre-major GPA. Transfer courses taken outside of UC may satisfy pre-major requirements, but they are not part of the pre-major GPA.) Courses in Areas C and D will not be included in the pre-major GPA computation but must be taken for a letter grade and will influence the overall major GPA.

Students must complete pre-major courses and achieve the minimum GPA requirements prior to the completion of 144 total quarter units. Courses in Area A and B must be completed with grades of "C-" or higher. Because the criteria are subject to annual review and revision, transfer students should consult the
department directly to obtain current information regarding specific additional criteria for admission into the full major. **Admission to the pre-major does not guarantee admission to the full major.**

**PRE-MAJOR REQUIREMENTS**

**Area A.** Sociology 1 and one course from Communication 87, Psychology 5, PSTAT 5A-ZZ

**Area B.** Two courses from: History 2C, 4C, 8, 17B, 17C

**Area C.** Social Science Breadth Requirement: Two courses from the following: Anthropology 2, 7; Economics 2; Environmental Studies 2, 3; Geography 5; History 7, 17A; Political Science 1, 6, 7, 12; Philosophy 3, 4, 6, 7; Psychology 1

**Area D.** Diversity Requirement: One course from the following: Asian American Studies 1, 2, 7, 8; Black Studies 1, 3, 4, 5, 6, 50; Chicana/o Studies 1A-B-C; Feminist Studies 20, 30, 40, 50, 60, 80

**NOTE:** If a 2-semester US History series articulates with UCSB’s History 17A-B-C series, then that 2-semester series can satisfy History 17A for Area C and also satisfy History 17B and 17C for Area B.

---

**AREA A**

| SOC 1 - Introduction to Sociology (4.00) | ← | SOC 1 - Introduction to Sociology (3.00) |

**Select 1 Course(s) from the following**

- **COMM 87** - Statistical Analysis for Communication (5.00)

- **PSY 5** - Introductory Statistics (5.00)

- **PSTAT 5A** - Statistics (5.00)

- **MATH 227** - Statistics (4.00)
  - Acceptable substitute

  - STAT 1 - Elementary Statistics I for the Social Sciences (3.00)
    - Acceptable substitute

  - Or

- **MATH 227** - Statistics (4.00)
  - Acceptable substitute

  - STAT 1 - Elementary Statistics I for the Social Sciences (3.00)
    - Acceptable substitute

---

**AREA B**

**Select 2 Course(s) from the following**

- **HIST 2C** - World History (4.00)

- **HIST 4C** - Western Civilization (4.00)

- **HIST 8** - Introduction to History of Latin America (4.00)

- **HISTORY 87** - Introduction to World Civilization II (3.00)

- **HISTORY 2** - Introduction to Western Civilization II (3.00)

- No Course Articulated
HIST 17B - The American People (4.00)  ←  HISTORY 11 - Political and Social History of the United States I (3.00)

HIST 17C - The American People (4.00)  ←  HISTORY 12 - Political and Social History of the United States II (3.00)

### AREA C - SOCIAL SCIENCE BREADTH REQUIREMENT

Select 2 Course(s) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANTH 2</td>
<td>Introductory Cultural Anthropology</td>
<td>4.00</td>
</tr>
<tr>
<td>ANTH 7</td>
<td>Introductory Biosocial Anthropology</td>
<td>4.00</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Economics-Macro</td>
<td>4.00</td>
</tr>
<tr>
<td>ENV S 2</td>
<td>Introduction to Environmental Science</td>
<td>4.00</td>
</tr>
<tr>
<td>ENV S 3</td>
<td>Introduction to the Social and Cultural Environment</td>
<td>4.00</td>
</tr>
<tr>
<td>GEOG 5</td>
<td>People, Place and Environment</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 7</td>
<td>Great Issues in the History of Public Policy</td>
<td>4.00</td>
</tr>
<tr>
<td>HIST 17A</td>
<td>The American People</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 1</td>
<td>Introduction to Political Philosophy</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 6</td>
<td>Introduction to Comparative Politics</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 7</td>
<td>Introduction to International Relations</td>
<td>4.00</td>
</tr>
<tr>
<td>POL S 12</td>
<td>American Government and Politics</td>
<td>4.00</td>
</tr>
<tr>
<td>PHIL 3</td>
<td>Critical Thinking</td>
<td>4.00</td>
</tr>
<tr>
<td>PHIL 4</td>
<td>Introduction to Ethics</td>
<td>4.00</td>
</tr>
<tr>
<td>PHIL 6</td>
<td>Professional and Business Ethics</td>
<td>4.00</td>
</tr>
<tr>
<td>PHIL 7</td>
<td>Biomedical Ethics</td>
<td>4.00</td>
</tr>
<tr>
<td>PSY 1</td>
<td>Introduction to Psychology</td>
<td>4.00</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANTH 102</td>
<td>Human Ways of Life: Cultural Anthropology</td>
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<tr>
<td>ECON 2</td>
<td>Principles of Economics II</td>
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<td>ENV SCI 2</td>
<td>The Human Environment: Biological Processes</td>
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<td>GEOG 2</td>
<td>Cultural Elements of Geography</td>
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<td>HIST 11</td>
<td>Political and Social History of the United States I</td>
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<tr>
<td>HIST 12</td>
<td>Political and Social History of the United States II</td>
</tr>
<tr>
<td>POL SCI 2</td>
<td>Modern World Governments</td>
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<tr>
<td>POL SCI 7</td>
<td>Contemporary World Affairs</td>
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<tr>
<td>POL SCI 1</td>
<td>The Government of the United States</td>
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<tr>
<td>PHILOS 6</td>
<td>Logic in Practice</td>
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<td>PHILOS 20</td>
<td>Ethics</td>
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<td>PSYCH 1</td>
<td>General Psychology I</td>
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### AREA D - DIVERSITY REQUIREMENT
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<tr>
<th>Select 1 Course(s) from the following</th>
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<tr>
<td><strong>AS AM 1</strong> - Introduction to Asian American History, 1850-Present (4.00)</td>
</tr>
<tr>
<td><strong>AS AM 2</strong> - American Migration Since 1965: Asians and Others in the United States (4.00)</td>
</tr>
<tr>
<td><strong>AS AM 7</strong> - Globalization, Gender and Social Inequality in Asian America (4.00)</td>
</tr>
<tr>
<td><strong>AS AM 8</strong> - Introduction to Asian American Gender and Sexuality (4.00)</td>
</tr>
<tr>
<td><strong>BL ST 1</strong> - Introduction to African-American Studies (4.00)</td>
</tr>
<tr>
<td><strong>BL ST 3</strong> - Introduction to African Studies (4.00)</td>
</tr>
<tr>
<td><strong>BL ST 4</strong> - Critical Introduction to Race and Racism (4.00)</td>
</tr>
<tr>
<td><strong>BL ST 5</strong> - Blacks and Western Civilization (4.00)</td>
</tr>
<tr>
<td><strong>BL ST 6</strong> - The Civil Rights Movement (4.00)</td>
</tr>
<tr>
<td><strong>BL ST 50</strong> - Blacks in the Media (4.00)</td>
</tr>
<tr>
<td><strong>CH ST 1A</strong> - Introduction to Chicano/a Studies (4.00)</td>
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<tr>
<td><strong>CH ST 1B</strong> - Introduction to Chicano/a Studies (4.00)</td>
</tr>
<tr>
<td><strong>CH ST 1C</strong> - Introduction to Chicano/a Studies (4.00)</td>
</tr>
<tr>
<td><strong>FEMST 20</strong> - Gender and Power: Introduction to Feminist Studies (4.00)</td>
</tr>
<tr>
<td><strong>FEMST 30</strong> - Women, Development, and Globalization (4.00)</td>
</tr>
<tr>
<td><strong>FEMST 40</strong> - Women, Representation, and Cultural Production (5.00)</td>
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<tr>
<td><strong>FEMST 50</strong> - Global Feminisms and Social Justice (4.00)</td>
</tr>
<tr>
<td><strong>FEMST 60</strong> - Women of Color: Race, Class, and Ethnicity (4.00)</td>
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<tr>
<td><strong>FEMST 80</strong> - Introduction to LGBTQ Studies (4.00)</td>
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<tr>
<td>Additional options for satisfying the Diversity Requirement in the Sociology, B.A.</td>
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</table>

**END OF AGREEMENT**
Articulation Agreement
by Major
Effective during the 2017-2018 Academic Year

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2016-2017 General Catalog, Quarter

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SPANISH, B.A.

GENERAL INFORMATION FOR ALL MAJORS

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SPANISH, B.A.

Please visit the department's website to learn more about this major: www.spanport.ucsb.edu

PREPARATION FOR THE MAJOR

Second Language Learners

- Spanish 1, 2, 3, 4, 5, 6 (or equivalent or Spanish 25)
- Spanish 25 (prerequisite to all upper-division Spanish courses)
- Spanish 30
- A grade of "C" or better is required in Spanish 3, 4, 5, 6, and 25

Native/Heritage Speakers

- Spanish 16A and 16B (prerequisite to all upper-division Spanish courses)
- Spanish 30
- A grade of "C" or better is required in Spanish 16A and 16B
See Note for Native Speakers below - transfer credit will not be awarded for courses articulating with Spanish 16A-B if the student was educated through grade 9 or above in a school where the language of instruction was Spanish.

**NOTE FOR NATIVE SPEAKERS**

Students who were educated through grade 9 or above in a school where a language other than English was the primary language of instruction will not get transfer credit for lower-division college courses teaching that language. Please contact the department about a language proficiency exam. **Performance on language proficiency exams may satisfy major requirements.**

**PREPARATION FOR THE MAJOR - SECOND LANGUAGE LEARNERS**

**REFERR TO TOP OF AGREEMENT**

| SPAN 1 - Elementary Spanish I (4.00)                    | SPANISH 1 - Elementary Spanish I (5.00) |
| SPAN 2 - Elementary Spanish II (4.00)                  | And                                    |
| SPAN 3 - Elementary Spanish III (4.00)                  | Or equivalent                          |
| SPAN 4 - Intermediate Spanish I (4.00)                  | SPANISH 1 - Elementary Spanish I (5.00) |
| SPAN 5 - Intermediate Spanish II (4.00)                 | And                                    |
| SPAN 6 - Intermediate Spanish III (4.00)                 | Or equivalent                          |
| SPAN 25 - Advanced Grammar and Composition (4.00)      | No Course Articulated                  |
| SPAN 30 - Introduction to Hispanic Literature (4.00)    | No Course Articulated                  |

**PREPARATION FOR THE MAJOR - NATIVE/HERITAGE SPEAKERS**

**REFERR TO TOP OF AGREEMENT**
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<td>Spanish for Heritage Speakers</td>
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<td>SPAN 16B</td>
<td>Spanish for Heritage Speakers</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>SPAN 30</td>
<td>Introduction to Hispanic Literature</td>
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</table>

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STATISTICAL SCIENCE, B.A. & B.S.

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STATISTICAL SCIENCE, B.A. & B.S.

Please visit the department's website to learn more about this major: www.pstat.ucsb.edu

PREPARATION FOR THE MAJOR:

Mathematics 3A, 3B, 4A, 4B (these courses must be completed with grades of "C" or better)

Mathematics 6A

Mathematics 8* (must be completed with a grade of "C" or better)

PSTAT 10 (must be completed with a grade of "C" or better)

Computer Science 16 (Computer Science 8 is a prerequisite for Computer Science 16 at UCSB)

* Either MATH 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take MATH 8 at UCSB.
**PREPARATION FOR THE MAJOR**

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 3A</td>
<td>Calculus with Applications, First</td>
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<tr>
<td>MATH 265</td>
<td>Calculus with Analytic Geometry I</td>
<td>5.00</td>
</tr>
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<td>MATH 3B</td>
<td>Calculus with Applications, Second</td>
<td>4.00</td>
</tr>
<tr>
<td>MATH 266</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>MATH 4A</td>
<td>Linear Algebra with Applications</td>
<td>4.00</td>
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<tr>
<td>MATH 270</td>
<td>Linear Algebra</td>
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<tr>
<td>MATH 4B</td>
<td>Differential Equations</td>
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<td>MATH 275</td>
<td>Ordinary Differential Equations</td>
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<td>MATH 6A</td>
<td>Vector Calculus with Applications,</td>
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<td>MATH 267</td>
<td>Calculus with Analytic Geometry III</td>
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<td>MATH 8</td>
<td>Transition to Higher Mathematics</td>
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<tr>
<td>PSTAT 10</td>
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<tr>
<td>No Course</td>
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<tr>
<td>CMPSC 16</td>
<td>Problem Solving with Computers I</td>
<td>4.00</td>
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<tr>
<td>CO SCI 340</td>
<td>Object Oriented Programming in C++</td>
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<tr>
<td>CMPSC 8</td>
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<td>4.00</td>
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<tr>
<td>CO SCI 344</td>
<td>Introduction to JAVA</td>
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**RECOMMENDED**

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
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<tr>
<td>CMPSC 8</td>
<td>Introduction to Computer Science</td>
<td>4.00</td>
</tr>
<tr>
<td>CO SCI 344</td>
<td>Introduction to JAVA</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**END OF AGREEMENT**
Articulation Agreement by Major

Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2017 General Catalog, Semester

THEATER, B.A.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meeting campus admission selection criteria. Completing the UC transfer admission requirements in English and mathematics by the end of the fall term prior to the fall application quarter makes an applicant more competitive for admission to UCSB. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UCSB, please visit the Admissions website: www.admissions.ucsb.edu

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Please note that the course "equivalencies" do not necessarily apply to UCSB general education. For information concerning satisfaction of UCSB general education requirements, please refer to the General Education/Breadth articulation agreement.

THEATER MAJORS

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The Department of Theater and Dance evaluates transfer work to determine completion of lower division requirements for each major.

For more information, please see the department website: www.theaterdance.ucsb.edu
**THEATER, B.A.**

**PREPARATION FOR THE MAJOR:**

Theater 1

Two courses from: Theater 2A-B-C-D  
Theater 5 or 19

Theater 7, 9, 22*, 23*, 25*, or 40

One unit Theater 29D** and two additional units from 29A-B-C**

Theater 49**

Theater 95

* Only 1 course (4 quarter units) from Theater 22, 23, 25 may be taken without completing Theater 19.

** Practicum and workshop equivalent courses will not automatically substitute for major credit until UCSB’s Theater and Dance department verifies that course topic was covered.

### PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Articulated</th>
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</thead>
<tbody>
<tr>
<td>THTR 1</td>
<td>Play Analysis</td>
<td>4.00</td>
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**Select 2 Course(s) from the following**

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>THTR 2A</td>
<td>Performance in Global Contexts: Africa and the Caribbean (4.00)</td>
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<td>No Course Articulated</td>
</tr>
<tr>
<td>THTR 2B</td>
<td>Performance in Global Contexts: Asia (4.00)</td>
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<tr>
<td>THTR 2C</td>
<td>Performance in Global Contexts: Europe (4.00)</td>
<td></td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>THTR 2D</td>
<td>Performance in Global Contexts: Latin America (4.00)</td>
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<td>No Course Articulated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>THTR 5</td>
<td>Introduction to Acting (3.00)</td>
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<td></td>
</tr>
<tr>
<td>THEATER 200</td>
<td>Introduction to Acting (3.00)</td>
<td></td>
<td>Or</td>
</tr>
<tr>
<td>THEATER 270</td>
<td>Beginning Acting (3.00)</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>THTR 19</td>
<td>Design Fundamentals for Dance and Theatre (4.00)</td>
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</table>

**Select 1 Course(s) from the following**

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 9</td>
<td>Introduction to Playwriting</td>
<td>4.00</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Articulation Notes</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------</td>
<td>---------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>THTR 22</td>
<td>Scenic Design (4.00)</td>
<td>No Course Articulated</td>
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</tr>
<tr>
<td>THTR 23</td>
<td>Stage Lighting Design (4.00)</td>
<td>No Course Articulated</td>
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</tr>
<tr>
<td>THTR 25</td>
<td>Costume Design (4.00)</td>
<td>No Course Articulated</td>
<td></td>
</tr>
<tr>
<td>THTR 40</td>
<td>Theater Games (4.00)</td>
<td>No Course Articulated</td>
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<tr>
<td><strong>REFER TO TOP OF AGREEMENT</strong></td>
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<td></td>
<td></td>
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<tr>
<td>THTR 29D</td>
<td>Run Crew Practicum (1.00)</td>
<td>No Course Articulated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
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<td></td>
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<tr>
<td><strong>Select 2 Course(s) from the following</strong></td>
<td><strong>REFER TO TOP OF AGREEMENT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THTR 29A</td>
<td>Scenic Practicum (1.00)</td>
<td>No Course Articulated</td>
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<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
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<td></td>
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<tr>
<td>THTR 29B</td>
<td>Lighting Practicum (1.00)</td>
<td>No Course Articulated</td>
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</tr>
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<td></td>
<td>Articulates only with approval from department chair or advisor</td>
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</tr>
<tr>
<td>THTR 29C</td>
<td>Costume Practicum (1.00)</td>
<td>No Course Articulated</td>
<td></td>
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<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
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<td></td>
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<tr>
<td><strong>REFER TO TOP OF AGREEMENT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THTR 49</td>
<td>Theater Workshop (1.00 - 6.00)</td>
<td>No Course Articulated</td>
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<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEATER 232</td>
<td>Play Production (2.00)</td>
<td>No Course Articulated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEATER 291</td>
<td>Rehearsals and Performances I (1.00)</td>
<td>No Course Articulated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEATER 292</td>
<td>Rehearsals and Performances II (2.00)</td>
<td>No Course Articulated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
<td></td>
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</tr>
<tr>
<td>THEATER 300</td>
<td>Introduction to Stage Craft (3.00)</td>
<td>No Course Articulated</td>
<td></td>
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<tr>
<td></td>
<td>Articulates only with approval from department chair or advisor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THTR 95</td>
<td>Introduction to Stage Management (2.00)</td>
<td>No Course Articulated</td>
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</tr>
</tbody>
</table>

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

From: Los Angeles Harbor College
2017-2018 General Catalog, Semester

THEATER, B.F.A. - ACTING EMPHASIS

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THEATER, B.F.A. - ACTING EMPHASIS

PREPARATION FOR THE MAJOR:

Theater 1
Theater 5
One course from: Theater 2A-B-C-D
Theater 10A-B-C*
Theater 11A-B-C*
Theater 15A-B-C*
One unit Theater 29D** and two additional units from 29A-B-C**
Theater 49**
Two courses from: Dance 42A-B-C-D-E-F, 43A-B-C, 44A-B-C-D-E-F, 46

* An audition is required for acceptance and placement in the Theater B.F.A. Major credit for California community college courses is awarded based on audition performance.

** Practicum and workshop equivalent courses will not automatically substitute for major credit until UCSB's Theater and Dance department verifies that course topic was covered.

PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 1 - Play Analysis</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>THTR 5 - Introduction to Acting</td>
<td>3.00</td>
<td>THEATER 200 - Introduction to Acting (3.00) or THEATER 270 - Beginning Acting (3.00)</td>
</tr>
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</table>

Select 1 Course(s) from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tr>
<td>THTR 2A - Performance in Global Contexts: Africa and the Caribbean</td>
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<tr>
<td>THTR 2B - Performance in Global Contexts: Asia</td>
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<td>No Course Articulated</td>
</tr>
<tr>
<td>THTR 2C - Performance in Global Contexts: Europe</td>
<td>4.00</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>THTR 2D - Performance in Global Contexts: Latin America</td>
<td>4.00</td>
<td>No Course Articulated</td>
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</tbody>
</table>

**REFER TO TOP OF AGREEMENT**
Placement by audition

THTR 10A - Movement for the Stage (2.00)
This course is never articulated

**REFER TO TOP OF AGREEMENT**
Placement by audition

<table>
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<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
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<tbody>
<tr>
<td>THTR 10A - Movement for the Stage</td>
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<td></td>
</tr>
<tr>
<td>THTR 10B - Movement for the Stage</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>THTR 10C - Movement for the Stage</td>
<td>2.00</td>
<td></td>
</tr>
</tbody>
</table>

This course is never articulated

**REFER TO TOP OF AGREEMENT**
Placement by audition

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THTR 11A - Voice Laboratory</td>
<td>2.00</td>
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</tr>
<tr>
<td>THTR 11B - Voice Laboratory</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>THTR 11C - Voice Laboratory</td>
<td>2.00</td>
<td></td>
</tr>
</tbody>
</table>

This course is never articulated

**REFER TO TOP OF AGREEMENT**
Placement by audition

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
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<tr>
<td>THTR 15A - Fundamentals of Acting</td>
<td>4.00</td>
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</tr>
<tr>
<td>THTR 15B - Fundamentals of Acting</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>THTR 15C - Fundamentals of Acting</td>
<td>4.00</td>
<td></td>
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This course is never articulated

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<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THTR 29D - Run Crew Practicum</td>
<td>1.00</td>
<td></td>
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</table>
  - Articulates only with approval from department chair or advisor |

No Course Articulated

Select 2 Course(s) from the following

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
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<tbody>
<tr>
<td>THTR 29A - Scenic Practicum</td>
<td>1.00</td>
<td></td>
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</tbody>
</table>
  - Articulates only with approval from department chair or advisor |
| THTR 29B - Lighting Practicum     | 1.00   |             |
  - Articulates only with approval from department chair or advisor |
| THTR 29C - Costume Practicum     | 1.00   |             |
  - Articulates only with approval from department chair or advisor |

No Course Articulated

**REFER TO TOP OF AGREEMENT**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 49 - Theater Workshop</td>
<td>1.00 - 6.00</td>
<td>Articulates only with approval from department chair or advisor</td>
</tr>
<tr>
<td>THEATER 232 - Play Production</td>
<td>2.00</td>
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</table>
  - Articulates only with approval from department chair or advisor |
| THEATER 291 - Rehearsals and Performances | I (1.00) |             |
Select 2 Course(s) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>Beginning Ballet (1.00)</td>
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<tr>
<td>DANCE 42B</td>
<td>Beginning Ballet (1.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 42C</td>
<td>Beginning Ballet (1.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 42D</td>
<td>Continuing Ballet (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 42E</td>
<td>Continuing Ballet (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 42F</td>
<td>Continuing Ballet (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 43A</td>
<td>Beginning Street Dance Forms (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 43B</td>
<td>Beginning Street Dance Forms (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 43C</td>
<td>Beginning Street Dance Forms (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 44A</td>
<td>Beginning Modern Dance (1.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 44B</td>
<td>Beginning Modern Dance (1.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 44C</td>
<td>Beginning Modern Dance (1.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 44D</td>
<td>Continuing Modern Dance (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 44E</td>
<td>Continuing Modern Dance (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 44F</td>
<td>Continuing Modern Dance (2.00)</td>
<td>No Course Articulated</td>
</tr>
<tr>
<td>DANCE 46</td>
<td>Introduction to Social Dance: History and Practice (2.00)</td>
<td>No Course Articulated</td>
</tr>
</tbody>
</table>

---

- Articulates only with approval from department chair or advisor

- Or

THEATER 292 - Rehearsals and Performances II (2.00)
- Articulates only with approval from department chair or advisor

- Or

THEATER 300 - Introduction to Stage Craft (3.00)
- Articulates only with approval from department chair or advisor

---

END OF AGREEMENT
Articulation Agreement by Major
Effective during the 2017-2018 Academic Year

To: University of California, Santa Barbara
2016-2017 General Catalog, Quarter

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2017-2017 General Catalog, Semester

ZOOLOGY, B.S.

GENERAL INFORMATION FOR ALL MAJORS

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MAJORS IN THE BIOLOGICAL SCIENCES

Department of Ecology, Evolution, and Marine Biology (EEMB) majors: Aquatic Biology, B.S.; Biological Sciences, B.A. & B.S.; Ecology and Evolution, B.S.; Physiology, B.S.; Zoology, B.S.

Department of Molecular, Cellular, and Developmental Biology (MCDB) majors: Biochemistry-Molecular Biology, B.S.; Biological Sciences, B.A. & B.S.; Cell and Developmental Biology, B.S.; Microbiology, B.S.; Pharmacology, B.S.

PRE-MAJOR INFORMATION - Students are admitted initially to Pre-Biological Sciences, not directly to the major. Admission to the full major is contingent upon achievement of a grade point average of 2.0 or better in pertinent courses completed at the University of California. Because the criteria are subject to annual review and revision, interested students should consult the department directly to obtain current information regarding specific additional criteria for admission to the full major. **Admission to the pre-major does not guarantee admission to full major status.**

ADMISSION SELECTION CRITERIA - To be admitted to the Pre-Biological Sciences major, all transfer students must complete the following:
1. One year sequence of **General Chemistry with laboratory**, with no individual grade lower than "C"
2. Complete sequence of major-applicable **General Biology with laboratory**, with no individual grade lower than "C"
3. A cumulative **GPA of 2.7 or better** in the required courses listed above

For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus (or one semester each of calculus and statistics). Any of these courses completed with a grade lower than "C" might not satisfy course prerequisites at UCSB.

---

**ZOLOGY, B.S.**

Please visit the department's website to learn more about this major: [www.lifesci.ucsb.edu](http://www.lifesci.ucsb.edu)

**PREPARATION FOR THE MAJOR:**

Chemistry 1A-1AL-1B-1BL-1C-1CL (required prior to transfer, see Admission Selection Criteria above)

MCDB 1A-1AL-1B and EEMB 2-2L-3-3L (required prior to transfer, see Admission Selection Criteria above)

Mathematics 3A-3B or 34A-34B

One of the following: PSTAT 5LS or PSTAT 5A (Mathematics 4A acceptable, but not recommended)

Physics 6A-6AL-6B-6BL-6C-6CL

**Note:** Organic chemistry may be required by some graduate or professional schools. Consult with an advisor.

---

**PREPARATION FOR THE MAJOR**

**REQUIRE TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

**Required for admission**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHEM 1A</strong></td>
<td>General Chemistry (3.00)</td>
<td></td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>CHEM 1AL</strong></td>
<td>General Chemistry Laboratory (2.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>CHEM 1B</strong></td>
<td>General Chemistry (3.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>CHEM 1BL</strong></td>
<td>General Chemistry Laboratory (2.00)</td>
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<tr>
<td><strong>CHEM 1C</strong></td>
<td>General Chemistry (3.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>CHEM 1CL</strong></td>
<td>General Chemistry Laboratory (2.00)</td>
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<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
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<tbody>
<tr>
<td><strong>CHEM 101</strong></td>
<td>General Chemistry I (5.00)</td>
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<td><strong>And</strong></td>
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<tr>
<td><strong>CHEM 102</strong></td>
<td>General Chemistry II (5.00)</td>
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</tbody>
</table>
**REQUIREMENTS TO TOP OF AGREEMENT**

Complete entire sequence prior to transfer

Required for admission

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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</thead>
</table>
| **EEMB 2** - Introductory Biology II - Ecology and Evolution (3.00)  
And | **BIOLOGY 101** - Biodiversity and Ecology (5.00)  
And |
| **EEMB 2L** - Introductory Biology Laboratory II (1.00)  
Same-As: MCDB 1BL  
And | **BIOLOGY 102** - Molecular Cell Biology and Evolution (5.00)  
And |
| **EEMB 3** - Introductory Biology III (3.00)  
And | **BIOLOGY 103** - Molecular Genetics and Physiology (5.00)  
And |
| **EEMB 3L** - Introductory Biology Laboratory III (1.00)  
And | |
| **MCDB 1A** - Introductory Biology I (4.00)  
And | |
| **MCDB 1AL** - Introductory Biology Laboratory I (1.00)  
And | |
| **MCDB 1B** - Introductory Biology II - Physiology (3.00)  
- Articulates as a sequence only | |

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</table>
| **MATH 3A** - Calculus with Applications, First Course (4.00)  
And | **MATH 265** - Calculus with Analytic Geometry I (5.00)  
And |
| **MATH 3B** - Calculus with Applications, Second Course (4.00) | **MATH 266** - Calculus with Analytic Geometry II (5.00)  
Or |
| **MATH 34A** - Calculus for Social and Life Sciences (4.00)  
And | **MATH 236** - Calculus for Business and Social Science (5.00)  
And |
| **MATH 34B** - Calculus for Social and Life Sciences (4.00) | |

**Statistics**

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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</table>
| **PSTAT 5LS** - Statistics for Life Sciences (5.00) | No Course Articulated  
Or |
| **PSTAT 5A** - Statistics (5.00)  
And | **MATH 227** - Statistics (4.00)  
Or |
| **MATH 4A** - Linear Algebra with Applications (4.00)  
- Acceptable; Not recommended | **MATH 270** - Linear Algebra (3.00)  
Or |

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<tr>
<th>Course</th>
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</table>
| | **PHYSICS 6** - General Physics I (4.00)  
|
PHYS 6A - Introductory Physics (3.00)

PHYS 6AL - Introductory Experimental Physics (1.00)

And

PHYS 6B - Introductory Physics (3.00)

And

PHYS 6BL - Introductory Experimental Physics (1.00)

And

PHYS 6C - Introductory Physics (3.00)

And

PHYS 6CL - Introductory Experimental Physics (1.00)

And

PHYSICS 7 - General Physics II (4.00)

END OF AGREEMENT