### Letters & Science

#### Anthropology, B.A.
- Cultural anthropology
- Archaeology
- Biological anthropology

#### Art, B.A.
- General Education or IGEC
- Intro art courses (such as drawing, oil painting, sculpture, printmaking or photography)

#### Biochemistry, B.S.
- 1 year general chemistry w/ labs
- 1 year organic chemistry w/ labs
- Physics series w/ labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Multivariable calculus

#### Biopsychology, B.S.
- Introduction to psychology
- Statistics
- 2 semesters calculus
- 1 year general chemistry w/ labs
- Biology for biology majors sequence w/ labs
- 1 year organic chemistry w/ labs
- General physics series w/ labs
- General physics series w/ labs

#### Chemistry, B.A./B.S.
- 1 year general chemistry w/ labs
- 1 year organic chemistry w/ labs
- Physics for science and engineering majors series w/ labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Multivariable calculus

#### Classics, B.A.
- General Education or IGEC
- 1st semester world history OR Western civilization
- Classical Archaeology Emphasis:
  - Archaeology
  - 1st semester Western art history
- Classical Language & Literature Emphasis:
  - 1 year Greek or Latin*
  - Greek & Roman Culture Emphasis:
    - 1st semester Western art history
  - Placement exams required after UCSB enrollment, if needed

#### Communication, B.A.
- General Education or IGEC
- Statistics

#### Comparative Literature, B.A.
- 2 years Language Other Than English (LOTE)
- 1st and 2nd semester world history OR Western civilization

#### Economics, B.A.
- General Education or IGEC
- General Education or IGEC

#### English, B.A.
- Introduction to Shakespeare
- 2 years Language Other Than English (LOTE)
- Introduction to literary study

#### Environmental Studies, B.A.
- 1 semester calculus
- Statistics
- 1st course general chemistry
- Macroeconomics OR microeconomics

#### Film & Media Studies, B.A.
- General Education or IGEC

#### Geography, B.A.
- Including GIS Emphasis
  - Statistics
  - Physical geography
  - Cultural geography
  - Lab science (such as biology, chemistry, geology or physics)
  - Social science (such as anthropology, economics, psychology or sociology)
- Intro programming
- 1 semester calculus for science and math majors

#### Global Studies, B.A.
- General Education or IGEC

#### History, B.A.
- History of Public Policy & Law, B.A.
  - 1st and 2nd semester Western civilization OR world history OR U.S. history
  - 1 history course focused outside the U.S. and Europe

#### Biopsychology, B.S.
- Introduction to psychology
- Statistics
- 2 semesters calculus
- 1 year general chemistry w/ labs
- Biology for biology majors sequence w/ labs
- 1 year organic chemistry w/ labs
- General physics series w/ labs
- General physics series w/ labs

#### Chemistry, B.A./B.S.
- 1 year general chemistry w/ labs
- 1 year organic chemistry w/ labs
- Physics for science and engineering majors series w/ labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Multivariable calculus

#### Economics, B.A.
- General Education or IGEC
- General Education or IGEC
- Macroeconomics
- Microeconomics
- 1st & 2nd semester calculus
- Economics & Accounting, B.A.: 1 or 2 semesters financial accounting

#### English, B.A.
- Introduction to Shakespeare
- 2 years Language Other Than English (LOTE)
- Introduction to literary study

#### Environmental Studies, B.S.
- 1 year general chemistry w/ labs
- Physics series w/ labs
- 2 semesters calculus for science and math majors
- Statistics

#### Film & Media Studies, B.A.
- General Education or IGEC

#### Geography, B.A.
- Including GIS Emphasis
  - Statistics
  - Physical geography
  - Cultural geography
  - Lab science (such as biology, chemistry, geology or physics)
  - Social science (such as anthropology, economics, psychology or sociology)
- Intro programming
- 1 semester calculus for science and math majors

#### Global Studies, B.A.
- General Education or IGEC

#### History, B.A.
- History of Public Policy & Law, B.A.
  - 1st and 2nd semester Western civilization OR world history OR U.S. history
  - 1 history course focused outside the U.S. and Europe

#### Pharmacology, B.S.
- 1 year general chemistry w/ labs
- Biology for biology majors sequence w/ labs
- 1 year organic chemistry w/ labs
- General physics series w/ labs
- 2 semesters calculus
- Statistics OR linear algebra

#### & Gender Studies

#### Asian American Studies, B.A.
- 1 year general chemistry w/ labs
- Biology for biology majors sequence w/ labs
- 1 year organic chemistry w/ labs
- General physics series w/ labs
- 2 semesters calculus
- Statistics OR linear algebra

#### Biopsychology, B.S.
- Introduction to psychology
- Statistics
- 2 semesters calculus
- 1 year general chemistry w/ labs
- Biology for biology majors sequence w/ labs
- 1 year organic chemistry w/ labs
- General physics series w/ labs
- General physics series w/ labs

#### Chemistry, B.A./B.S.
- 1 year general chemistry w/ labs
- 1 year organic chemistry w/ labs
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- General Education or IGEC
- Statistics

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#### Environmental Studies, B.A.
- 1 semester calculus
- Statistics
- 1st course general chemistry
- Macroeconomics OR microeconomics

#### Environmental Studies, B.S.
- 1 year general chemistry w/ labs
- Physics series w/ labs
- 2 semesters calculus for science and math majors
- Statistics

#### Film & Media Studies, B.A.
- General Education or IGEC

#### Geography, B.A.
- Including GIS Emphasis
  - Statistics
  - Physical geography
  - Cultural geography
  - Lab science (such as biology, chemistry, geology or physics)
  - Social science (such as anthropology, economics, psychology or sociology)
- Intro programming
- 1 semester calculus for science and math majors

#### Global Studies, B.A.
- General Education or IGEC

#### History, B.A.
- History of Public Policy & Law, B.A.
  - 1st and 2nd semester Western civilization OR world history OR U.S. history
  - 1 history course focused outside the U.S. and Europe

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Some major preparation courses listed below must be completed prior to transfer. Others are recommended to be completed prior to transfer but may be completed after transfer if necessary. Having more major preparation done before transferring will often shorten the time to graduation. Additional major preparation courses that aren’t listed here may also be taken prior to transfer. This is not a comprehensive list of all major preparation courses required for each major—please refer to the major articulation agreements on assist.org for a complete listing and for the California community college courses that will satisfy these requirements. Additional articulation information is available at admissions.ucsb.edu/apply/transfer/articulation.

### Key:
- **Recommended prior to transfer.**
- **Required prior to transfer.**
  - Required prior to transfer with no individual grade below "C" and a cumulative 2.7 major preparation GPA or better.
  - Required prior to transfer with no individual grade below "C" and a cumulative 2.75 major preparation GPA or better.
### History of Art & Architecture, B.A.
- General Education or IGETC
- 1 year Western art history

### Hydrologic Sciences & Policy, B.S.
- 1 year general chemistry w/ labs
- Physics series w/ labs
- 2 semesters calculus for science and math majors
- Statistics
- Microeconomics or macroeconomics
- Physical geography
- Physical geology
- Biology for biology majors sequence w/ labs
- Linear algebra
- Differential equations

### Languages

<table>
<thead>
<tr>
<th>Chinese, B.A.</th>
<th>1 year Language Other Than English (LOTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>French, B.A.</td>
<td>Cultural anthropology</td>
</tr>
<tr>
<td>German, B.A.</td>
<td>Introduction to sociology</td>
</tr>
<tr>
<td>Italian Studies, B.A.</td>
<td></td>
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<tr>
<td>Japanese, B.A.</td>
<td></td>
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<tr>
<td>Portuguese, B.A.</td>
<td></td>
</tr>
<tr>
<td>Russian &amp; East European Studies, B.A.</td>
<td>(encouraged to take one English (LOTE) outside of the Indo-European family)</td>
</tr>
<tr>
<td>Spanish, B.A.</td>
<td>General Education or IGETC</td>
</tr>
<tr>
<td></td>
<td>2 years language instruction</td>
</tr>
<tr>
<td></td>
<td>OR equivalent language proficiency</td>
</tr>
</tbody>
</table>

### Mathematical Sciences, B.S.
- Mathematics, B.A./B.S.
  - 2 semesters calculus for science and math majors
  - Linear algebra
  - Differential equations

### Medical Studies, B.A.
- 2 semesters Western civilization OR world history

### Music Studies, B.A.
- 1 or 2 years private lessons and/or ensembles
- 1 year music theory
- 1 year musicianship
- 1 year survey of Western music history
- World music (not required for Western Art Music emphasis)

### Statistics & Applied Probability

<table>
<thead>
<tr>
<th>Actuarial Science, B.S.</th>
<th>2 semesters calculus for science and math majors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Mathematics &amp; Statistics, B.S.</td>
<td>Linear algebra</td>
</tr>
<tr>
<td>Statistics &amp; Data Science, B.A./B.S.</td>
<td>Differential equations</td>
</tr>
</tbody>
</table>

### Creative Studies

#### Supplemental application required

### Engineering

#### Required for all College of Engineering majors:
- Physics for science and engineering majors series w/ labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Content equivalent to UCSB Physics 1-3L

### Chemical Engineering, B.S.
- Four requirements above PLUS:
  - 1 year general chemistry w/ labs
  - MATLAB
  - 1 year organic chemistry w/ labs
  - Multivariable calculus

### Computer Engineering, B.S.
- Four requirements above PLUS:
  - Programming in C or C++
  - Data structures in C++
  - Discrete math
  - Advanced C++ programming
  - Multivariable calculus
  - Computer organization w/ logic design

### Electrical Engineering, B.S.
- Four requirements above PLUS:
  - Programming in C or C++
  - Multivariable calculus
  - 1st course in general chemistry w/ lab
  - Digital logic

### Mechanical Engineering, B.S.
- Four requirements above PLUS:
  - 1st course in general chemistry w/ lab
  - Statics
  - MATLAB
  - Dynamics (highly recommended)
  - Multivariable calculus
  - 2nd course in general chemistry w/ lab
  - Electronic circuits
  - Engineering graphics
  - Strength of materials

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