### Transfer Major Preparation

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. Please refer to the major articulation agreements at assist.org for a full listing of major preparation courses for each major 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.

#### Letters & Science

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

**Art, B.A.**
- General Education or IGETC
- 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

**Biological Sciences**
- Aquatic Biology, B.S.
- Biological Sciences, B.A./B.S.
- Ecology & Evolution, B.S.
- Physiology, B.S.
- Zoology, 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
  - *Not required for Ecology & Evolution or Zoology, but it may be required by some graduate or professional schools*

**Biochemistry – Molecular Biology, 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 for science and math majors
- Linear algebra
- Multivariable calculus

**Cell & Developmental Biology, B.S.**
- Microbiology, B.S.
- Pharmacology, B.S.

**Classics, B.A.**
- General Education or IGETC
- 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 available after UCSB enrollment, if needed

**Communication, B.A.**
- General Education or IGETC
- Statistics

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

**Cultural & Gender Studies**
- Asian American Studies, B.A.
- Asian Studies, B.A.
- Black Studies, B.A.
- Chicano/a Studies, B.A.
- Feminist Studies, B.A.
- Latin American & Iberian Studies, B.A.
- Middle East Studies, B.A.
  - General Education or IGETC
  - Asian Studies, B.A.: 2 years Chinese or Japanese OR equivalent language proficiency
  - Latin American & Iberian Studies, B.A.: 2 years Spanish or Portuguese OR equivalent language proficiency
  - Middle East Studies, B.A.: 2 years Arabic, Hebrew, Persian or Turkish OR equivalent language proficiency

**Dance, B.A./B.F.A.**
- Audition required
- General Education or IGETC
- History & appreciation of dance
- Ballet series
- Choreography
- Improvisation
- Modern dance series
- Dance lighting design
- Stagecraft OR lighting OR costume
- Music appreciation
- Introduction to acting (for B.F.A.)

**Earth Science, B.A./B.S.**
- 1 year general chemistry w/ labs
- General physics series w/ labs OR physics for science and engineering majors series w/ labs (required for Geophysics Emphasis)
- 2 semesters calculus for science and math majors

**Economics, B.A.**
- Economics & Accounting, B.A.
  - 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.A.**
- 1 semester calculus
- Statistics
- 1st course general chemistry
- Microeconomics OR macroeconomics

**Film & Media Studies, B.A.**
- General Education or IGETC

**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 IGETC
- 1 year modern foreign language

**History, B.A.**
- History of Public Policy, 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
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

Chinese, B.A.
- General Education or IGETC
- 2 years language instruction OR equivalent language proficiency

French, B.A.
- General Education or IGETC
- 2 years Language Other Than English (LOTE) in one language
- 1 year LOTE in a 2nd language (encouraged to take one language outside of the Indo-European family)

German, B.A.
- General Education or IGETC
- 2 years Language Other Than English (LOTE) in one language
- 1 year LOTE in a 2nd language (encouraged to take one language outside of the Indo-European family)

Italian Studies, B.A.
- General Education or IGETC
- 2 years Language Other Than English (LOTE) in one language
- 1 year LOTE in a 2nd language (encouraged to take one language outside of the Indo-European family)

Japanese, B.A.
- General Education or IGETC
- 2 years Language Other Than English (LOTE) in one language
- 1 year LOTE in a 2nd language (encouraged to take one language outside of the Indo-European family)

Portuguese, B.A.
- General Education or IGETC
- 2 years Language Other Than English (LOTE) in one language
- 1 year LOTE in a 2nd language (encouraged to take one language outside of the Indo-European family)

Slavic Languages & Literatures, B.A.
- General Education or IGETC
- 2 years language instruction OR equivalent language proficiency

Spanish, B.A.
- General Education or IGETC
- 2 years Language Other Than English (LOTE) in one language
- 1 year LOTE in a 2nd language (encouraged to take one language outside of the Indo-European family)

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

Mathematical Sciences, B.A.
- General Education or IGETC
- 1 or 2 religious studies courses

Mathematics, B.A./B.S.
- General Education or IGETC
- 1 year general chemistry w/ labs
- Physics for science and engineering majors series w/ labs
- 2 semesters calculus for science and math majors
- Multivariable calculus
- Linear algebra
- Differential equations

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

Physics, B.A./B.S.
- General Education or IGETC
- Critical thinking/logic
- Core Philosophy Concentration:
  - History of philosophy series
  - Ethics & Public Policy Concentration: Ethics

Philosophy, B.A.
- General Education or IGETC
- Critical thinking/logic
- Core Philosophy Concentration:
  - History of philosophy series
  - Ethics & Public Policy Concentration: Ethics

Political Science, B.A.
- General Education or IGETC
- Political philosophy
- Comparative politics
- International relations
- American government
- Macroeconomics
- Microeconomics

Psychological & Brain Sciences, B.S.
- General Education or IGETC
- Introduction to psychology
- 1 semester calculus
- Statistics
- 1 year general chemistry
- Biology for biology majors sequence

Religious Studies, B.A.
- General Education or IGETC
- 1 or 2 religious studies courses

Renaissance Studies, B.A.
- General Education or IGETC
- 2 semesters Western civilization OR Western art history

Sociology, B.A.
- General Education or IGETC
- Introduction to sociology
- Statistics

Two courses from:
- 2nd semester world history
- 2nd semester Western civilization
- Latin American history
- U.S. history

Sociology, B.A.

Statistics
- General Education or IGETC
- 1 or 2 religious studies courses

Statistics & Applied Probability

Actuarial Science, B.S.
- General Education or IGETC
- Statistics, B.S.

Financial Mathematics & Statistics, B.S.
- General Education or IGETC
- Multivariable calculus
- Linear algebra
- Differential equations

Music Composition, B.A.
- General Education or IGETC
- Musicianship and music theory

Physics, B.A./B.S.
- General Education or IGETC
- Multivariable calculus
- Linear algebra
- Differential equations

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
  - 1st course in general chemistry w/ lab
  - Digital logic

Computer Science, 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++
  - MATLAB
  - 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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