

Transfer Major Preparation

Fall 2021



Use this guide as an abbreviated list of required and recommended major preparation courses. Required courses must be completed before you transfer and will affect your chances of admission. Recommended courses are strongly recommended before transferring. Taking all of the recommended courses before you transfer will prepare you to begin upper-division coursework at UCSB after you transfer and make timely degree progress.

This is not a comprehensive list of all major preparation courses recommended for each major. California community college students should refer to the major articulation agreements on assist.org for a complete listing of CCC courses that will satisfy these requirements and recommendations. If you are not attending a CCC, refer to assist.org or the [UCSB General Catalog](#) for further details about preparing for your major.

Key:

- ◆ Required before transfer.
- Required before transfer with no individual grade below "C" and a cumulative 2.7 major preparation GPA or better.
- Required before transfer with no individual grade below "C" and a cumulative 2.75 major preparation GPA or better.
- Required before transfer with no individual grade below "C" and a cumulative 3.4 major preparation GPA or better for fall 2022 admission and beyond; highly recommended prior to transfer for fall 2021 admission.
- Recommended before transfer for timely degree progress.

College of 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
- Biology for biology majors sequence w/ labs

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.

- 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

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 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

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 Korean **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

- Linear algebra
- Differential equations
- Physical geology w/ lab

Economics, B.A.

Economics & Accounting, B.A.

- General Education or IGETC
- 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.

- Statistics
- 1 or 2 semesters calculus
- 1st course general chemistry w/ lab
- Macroeconomics **OR** microeconomics

Environmental Studies, B.S.

- Statistics
- 2 semesters calculus for science and math majors
- 1 year general chemistry w/ labs
- Physics series w/ labs
- Biology for biology majors sequence w/ labs

Film & Media Studies, B.A.

- General Education or IGETC
- 1 literature course (such as *Asian American literature, African American literature, comparative literature, Greek mythology*)
- 1 history or cultural studies course (such as *Asian American studies, Black studies, Chicana/o studies, 2nd semester world OR western civilization OR U.S. history, philosophy, religious studies*)
- 1 arts course (such as *modern/contemporary art history, dance history/*

appreciation, music appreciation, history of jazz)

Geography, B.A.

Including GIS Emphasis

- Statistics
- Physical geography
- Human geography
- Weather and climate
- Lab science (such as *biology, chemistry, geology or physics*)
- Social science (such as *anthropology, economics, psychology or sociology*)

Geography, Physical, B.S.

Including Ocean Science Emphasis

- 1 year general chemistry w/ labs
- Physics series w/ labs
- 2 semesters calculus for science and math majors
- Statistics
- Physical geography
- Human geography
- Weather and climate

Global Studies, B.A.

- General Education or IGETC
- 2 or 3 history courses from 1 region (World **OR** Europe **OR** Africa **OR** Americas **OR** Asia & Middle East)
- 2 years modern foreign language

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

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.

French, B.A.

German, B.A.

Italian Studies, B.A.

Japanese, B.A.

Portuguese, B.A.

Russian & East European Studies, B.A.

Spanish, B.A.

- General Education or IGETC
- 2 years language instruction **OR** equivalent language proficiency

Language, Culture & Society, B.A.

- 1 year Language Other than English (LOTE)
- Cultural anthropology
- Introduction to sociology

Linguistics, B.A.

- 2 years Language Other than English (LOTE) in one language
- 1 year Language Other than English (LOTE) in a 2nd language (encouraged to take one language outside of the Indo-European family)

Mathematics, B.A./B.S.

Applied Mathematics, B.S.

- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Multivariable calculus

Medieval 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)



Music, B.M.

Audition required

- 2 years private lessons
- 2 years large ensembles
- 2 years music theory
- 2 years musicianship
- 1 year survey of Western music history
- Piano proficiency required
- **Piano Emphasis:** 1 year Italian, French **OR** German
- **Voice Emphasis:**
 - 1 year Italian
 - 1 year French **OR** German

Philosophy, B.A.

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

Physics, B.A./B.S.

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

Political Science, B.A.

- Political philosophy
- Comparative politics
- International relations
- American government
- Macroeconomics
- Microeconomics

Psychological & Brain Sciences, B.S.

- 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.

- Introduction to sociology
- Statistics
- Two courses from:**
 - 2nd semester world history
 - 2nd semester Western civilization
 - Latin American history
 - U.S. history

Statistics & Applied Probability

Actuarial Science, B.S.

Financial Mathematics & Statistics, B.S.

Statistics & Data Science, B.A./B.S.

- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Multivariable calculus
- Intro programming
- UCSB PSTAT 120A and PSTAT 120B recommended to be taken at UCSB the summer before fall of first year
- **Financial Mathematics & Statistics, B.S.:**
 - Macroeconomics
 - Microeconomics

Theater, B.A./B.F.A.

Audition required for B.F.A.

- General Education or IGETC
- Introduction to acting
- Stagecraft
- Lighting
- Costume

College of Creative Studies

Supplemental application required

Art, B.A.

- General Education or IGETC

Biology, B.A.

- 1 year general chemistry w/ labs
- General physics series w/ labs
- Biology for biology majors sequence w/ labs
- 2 semesters calculus for science and math majors

Chemistry/Biochemistry, 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

Computing, B.S.

- 2 semesters calculus for science and math majors
- Multivariable calculus
- Linear algebra
- Differential equations
- Physics for science and engineering majors series w/ labs
- Programming in C or C++
- Data structures
- Discrete math/discrete structures
- Computer organization w/ logic design

Mathematics, B.A./B.S.

- IGETC
- 2 semesters calculus for science and math majors
- Multivariable calculus
- Linear algebra
- Differential equations

Music Composition, B.A.

- General Education or IGETC
- Musicianship and music theory

Physics, B.A./B.S.

See Physics, B.A./B.S. under Letters & Science

Writing & Literature, B.A.

- General Education or IGETC

College of 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 1-2-3-3L

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
- 1st course in general chemistry w/ lab
- Digital logic
- Physics equivalent to UCSB Physics 4-4L

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++
- Multivariable calculus
- 1st course in general chemistry w/ lab
- Digital logic
- Physics equivalent to UCSB Physics 4-4L-5-5L

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
- Physics equivalent to UCSB Physics 4-4L