

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.

- 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

BIOCHEMISTRY, B.S.

- 1 year general chemistry w/ labs
- 1 year organic chemistry w/ labs
- General physics series w/ labs **OR** physics for science and engineering majors 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.

- 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
- Biological psychology
- Research methods for 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.

- General Education or IGETC
- **ASIAN STUDIES, B.A.:** 2 years Chinese or Japanese **OR** equivalent language proficiency
- **LATIN AMERICAN AND IBERIAN STUDIES, B.A.:** 2 years Spanish or Portuguese **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 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.

- 1 semester calculus
- Statistics
- 1st course general chemistry
- Macroeconomics **OR** microeconomics

ENVIRONMENTAL STUDIES, B.S.

- 1 year general chemistry w/ labs
- General physics series w/ labs **OR** physics for science and engineering majors series w/ labs
- 2 semesters calculus for science and math majors
- Statistics

FILM & MEDIA STUDIES, B.A.

- General Education or IGETC

GEOGRAPHY, B.A.

- Statistics
- Physical geography
- Cultural geography
- Chemistry w/ lab **OR** physics w/ lab **OR** biology w/ lab
- Cultural anthropology **OR** physical anthropology **OR** communication **OR** macroeconomics **OR** microeconomics **OR** psychology **OR** sociology **OR** linguistics **OR** international relations
- **GEOGRAPHIC INFORMATION SCIENCE EMPHASIS:** 1 semester calculus for science and math majors

GEOGRAPHY, PHYSICAL, B.S.

- 1 year general chemistry w/ labs
- General physics series w/ labs **OR** physics for science and engineering majors series w/ labs
- 2 semesters calculus for science and math majors
- Statistics
- Physical geography
- Cultural geography

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

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 for science and engineering majors series w/ labs **OR** general physics series w/ labs
- 2 semesters calculus for science and math majors
- Statistics

LANGUAGES

CHINESE, B.A.

FRENCH, B.A.

GERMAN, B.A.

ITALIAN STUDIES, B.A.

JAPANESE, B.A.

PORTUGUESE, B.A.

SLAVIC LANGUAGES & LITERATURES, 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 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 (required prior to transfer for fall 2019 applicants)

- Linear algebra
- Differential equations

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
- History of philosophy series (not required for Ethics & Public Policy concentration)
- **ETHICS & PUBLIC POLICY CONCENTRATION:** Ethics

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

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

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.

STATISTICAL SCIENCE, B.A./B.S.

- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- UCSB PSTAT 120AB recommended to be taken 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

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.S.

- 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

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

COMPUTER SCIENCE, B.S.

Four requirements above PLUS:

- ◆ Programming in C or C++
- ◆ Data structures in C++
- ◆ Discrete math
- 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
- Circuits and devices w/ lab
- Digital logic

MECHANICAL ENGINEERING, B.S.

Four requirements above PLUS:

- ◆ 1st course in general chemistry w/ lab
- ◆ Statics
- ◆ Dynamics
- ◆ MATLAB
- Multivariable calculus
- 2nd course in general chemistry w/ lab
- Electronic circuits
- Engineering graphics
- Strength of materials