COURSES FOR MAJOR PREPARATION

The courses listed below are either required or recommended to be completed prior to transfer. Additional major preparation courses may be taken prior to transfer that are not listed here. California community college students should refer to www.assist.org for specific course numbers at their college and for additional major preparation courses.

KEY
- Recommended prior to transfer.
- Required prior to transfer.
- Required prior to transfer. Must be completed with no individual grade below “C” and a cumulative GPA of 2.7 or better.

LETTERS & SCIENCE

ACTUARIAL SCIENCE, B.S.
See Statistical Science, B.A./B.S.

ANTHROPOLOGY, B.A.
- Cultural anthropology
- Archaeology
- Biological anthropology

AQUATIC BIOLOGY, B.S.
See Biological Sciences, B.A./B.S.

ART, B.A.
- General Education or IGETC

ASIAN AMERICAN STUDIES, B.A.
- General Education or IGETC

ASIAN STUDIES, B.A.
- General Education or IGETC
- 2 years Chinese or Japanese OR appropriate score on UCSB language placement exam

BIOCHEMISTRY, B.S.
- 1 year general chemistry with labs
- 1 year organic chemistry with labs
- General physics series with labs OR physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors
- Multivariable calculus
- Linear algebra

BIOLOGY, B.S.
- 1 year general chemistry with labs
- Biology for biology majors sequence with labs
- General physics series with labs
- 2 semesters calculus for science and math majors
- 1 year organic chemistry with labs
- Linear algebra
- Multivariable calculus

BIOLOGICAL SCIENCES, B.A./B.S.
- 1 year general chemistry with labs
- Biology for biology majors sequence with labs
- General physics series with labs
- 2 semesters calculus
- 1 year organic chemistry with labs
- Statistics

BIOPSYCHOLOGY, B.S.
- Introduction to psychology
- Biological psychology
- Research methods for psychology
- Statistics
- 2 semesters calculus
- 1 year general chemistry with labs
- General physics series with labs

BLACK STUDIES, B.A.
- General Education or IGETC

CELL & DEVELOPMENTAL BIOLOGY, B.S.
See Microbiology, B.S.

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

CHICANO/A STUDIES, B.A.
- General Education or IGETC

CHINESE, B.A.
- General Education or IGETC
- 2 years Chinese OR appropriate score on UCSB language placement exam

CLASSICS, B.A. (CLASSICAL ARCHAEOLOGY)
See Greek & Roman Culture Emphasis PLUS:
- Introduction to archaeology

(CLASSICAL LANGUAGE & LITERATURE)
- First semester western art history OR western civilization
- General Education or IGETC
- 1 year Greek or Latin, if available*
- *Placement exams available after UCSB enrollment, if needed

(GREEK & ROMAN CULTURE)
- General Education or IGETC
- First semester western art history
- First semester world history OR western civilization

COMMUNICATION, B.A.
- General Education or IGETC
- Statistics

COMPARATIVE LITERATURE, B.A.
- 2 years Language Other Than English (LOTE)
- First and second semester world history OR western civilization OR western art history

DANCE, B.A. (audition required)
- General Education or IGETC
- History and appreciation of dance
- Ballet series
- Choreography
- Improvisation
- Modern dance series
- Dance lighting design
- Select one: stagecraft, lighting

DANCE, B.F.A. (audition required)
See Dance, B.A. PLUS:
- Introduction to acting

EARTH SCIENCE, B.A./B.S.
- 1 year general chemistry with labs
- General physics series with labs OR physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors

ECOLOGY & EVOLUTION, B.S.
See Biological Sciences, B.A./B.S.

ECONOMICS, B.A.
- General Education or IGETC
- Required 2.75 GPA or higher and no grade below “C” in:
  - Macroeconomics
  - Microeconomics
  - First and second semester calculus

ECONOMICS & ACCOUNTING, B.A.
See Economics, B.A. PLUS:
- 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
- First course general chemistry
- Macroeconomics OR microeconomics

ENVIRONMENTAL STUDIES, B.S.
See Earth Science, B.A./B.S. PLUS:
- Statistics

FEMINIST STUDIES, B.A.
- General Education or IGETC

FILM & MEDIA STUDIES, B.A.
- General Education or IGETC
FINANCIAL MATHEMATICS & STATISTICS, B.S.
See Statistical Science, B.A./B.S. PLUS:
- Macroeconomics
- Microeconomics

FRENCH, B.A.
- General Education or IGETC
- 2 years French

GEOGRAPHY, B.A.
- Statistics
- Physical geography
- Cultural geography
Choose one:
- First course general chemistry
OR first course general physics
with lab OR introduction to biology OR introduction to ecology and evolution OR introduction to botany
Choose one:
- Cultural anthropology OR physical anthropology OR introduction to communication
OR macroeconomics OR microeconomics OR introduction to psychology OR introduction to sociology OR introduction to language and linguistics OR international relations

(GEOGRAPHIC INFORMATION SCIENCE)
See Geography, B.A. PLUS:
- 1 semester calculus for science and math majors

GEOGRAPHY, PHYSICAL, B.S.
See Earth Science, B.A./B.S. PLUS:
- Statistics
- Physical geography
- Cultural geography

GERMAN, B.A.
- General Education or IGETC

GLOBAL STUDIES, B.A.
- General Education or IGETC
- 1 year modern foreign language

HISTORY, B.A.
- First and second 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

HISTORY OF PUBLIC POLICY, B.A.
See History, B.A.

HYDROLOGIC SCIENCES & POLICY, B.S.
See Earth Science, B.A./B.S. PLUS:
- Statistics

ITALIAN STUDIES, B.A.
- General Education or IGETC
- 2 years Italian

JAPANESE, B.A.
- General Education or IGETC
- 2 years Japanese OR appropriate score on UCSB language placement exam

LANGUAGE, CULTURE & SOCIETY, B.A.
- 1 year Language Other Than English (LOTE)
- Cultural anthropology
- Introduction to sociology

LATIN AMERICAN & IBERIAN STUDIES, B.A.
See Spanish, B.A.

LINGUISTICS, B.A.
- 2 years Language Other Than English (LOTE) in one language
- 1 year Language Other Than English (LOTE) in a second language (students are encouraged to take one language outside of the Indo-European family)

MATHEMATICAL SCIENCES, B.S.
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations

MATHEMATICS, B.A./B.S.
See Mathematical Sciences, B.S.

MEDIEVAL STUDIES, B.A.
- 2 semesters western civilization OR world history

MICROBIOLOGY, B.S.
- 1 year general chemistry with labs
- Biology for biology majors sequence with labs
- General physics series with labs
- 2 semesters calculus for science and math majors
- 1 year organic chemistry with labs
- Statistics OR linear algebra

MIDDLE EAST STUDIES, B.A.
- General Education or IGETC

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*
*Except 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
- Demonstration of piano proficiency required by piano placement audition OR 2 year sequence of class piano

(PIANO)
See Music, B.M. PLUS:
- 1 year Italian, French OR German

(VOICE)
See Music, B.M. PLUS:
- 1 year Italian
- 1 year French OR German

PHARMACOLOGY, B.S.

PHILOSOPHY, B.A.
- General Education or IGETC
- Critical thinking
- History of philosophy series

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

PHYSIOLOGY, B.S.
See Biological Sciences, B.A./B.S.

POLITICAL SCIENCE, B.A.
- Political philosophy
- Comparative politics
- International relations
- American government and politics
- Macroeconomics
- Microeconomics

PORTUGUESE, B.A.
- 2 years Portuguese OR appropriate score on UCSB language placement exam

PSYCHOLOGY, B.A.*
- Introduction to psychology
- 1 semester calculus
- Statistics
*Available to transfer students only in fall 2016 and fall 2017

PSYCHOLOGICAL & BRAIN SCIENCES, B.S.*
See Psychology, B.A. PLUS:
- 1 year general chemistry
*Replacing Psychology, B.A. beginning fall 2016

RELIGIOUS STUDIES, B.A.
- General Education or IGETC

RENAISSANCE STUDIES, B.A.
- General Education or IGETC
- 2 semesters western civilization OR western art history

SLAVIC LANGUAGES & LITERATURES, B.A.
- General Education or IGETC

SOCIOLOGY, B.A.
- Introduction to sociology
- Statistics
- Introduction to research methods (highly recommended)
Two courses from:
- Second semester world history*
- Western civilization*
- Latin American history*
- U.S. history*
*Courses should be consistent with UCSB requirements

SPANISH, B.A.
- 2 years Spanish OR appropriate score on UCSB language placement exam OR fluency examination OR equivalent language proficiency
STATISTICAL SCIENCE, B.A./B.S.
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- UCSB PSTAT 120AB: Probability and Statistics recommended to be taken the summer before fall of first year

THEATER, B.A.
- General Education or IGETC
- Introduction to acting
- Stagecraft
- Lighting
- Costume

THEATER, B.F.A.
(audition required)
See Theater, B.A.

ZOOLOGY, B.S.
See Biological Sciences, B.A./B.S.

CREATIVE STUDIES

ART, B.A.
- General Education or IGETC

BIOLOGY, B.A.
- 1 year general chemistry with labs
- General physics series with labs
- Biology for biology majors sequence with labs
- 2 semesters calculus for science and math majors

CHEMISTRY/BIOCHEMISTRY, B.A./B.S.
- 1 year general chemistry with labs
- 1 year organic chemistry with labs
- Physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors

COMPUTING, B.S.
- 2 semesters calculus for science and math majors
- Multivariable calculus
- Linear algebra
- Differential equations

ENGINEERING

CHEMICAL ENGINEERING, B.S.
- 1 year general chemistry with labs
- Physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- MATLAB
- 1 year organic chemistry with labs
- Multivariable calculus

COMPUTER ENGINEERING, B.S.
- Physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Programming courses in C or C++
- Data structures in C++
- Circuits and devices with lab
- Discrete math

First course in general chemistry with lab
Digital logic

COMPUTER SCIENCE, B.S.
- Physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- Programming courses in C or C++
- Data structures in C++
- Discrete math
- Multivariable calculus
- Computer organization with logic design

MUSIC COMPOSITION, B.S.
- General Education or IGETC
- Musicianship and music theory courses

PHYSICS, B.A./B.S.
See Physics, B.A./B.S.

WRITING & LITERATURE, B.A.
- General Education or IGETC

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

MECHANICAL ENGINEERING, B.S.
- Physics for science and engineering majors series with labs
- 2 semesters calculus for science and math majors
- Linear algebra
- Differential equations
- First course in general chemistry with lab
- Statics
- Dynamics
- MATLAB
- Multivariable calculus
- Second course in general chemistry with lab
- Electronic circuits
- Engineering graphics
- Strength of materials

*Content equivalent to UCSB Physics 1-3L