## 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 classes 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
- Statistics
- *Placement exams available after UCSB enrollment, if needed*

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

#### Comparative Literature, B.A.
- 2 years Language Other Than English (LOTE)

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

#### 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

#### Economics, B.A.
- General Education or IGETC
- 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)

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

#### 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

#### Geographical Information Science Emphasis: 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

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

MEDEIVAL 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 or 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

PSYCHOLOGICAL & BRAIN SCIENCES, B.S.
• Introduction to psychology
• 1 semester calculus
• Statistics
• 1 year general chemistry
• Biology for biology majors sequence

PSYCHOLOGICAL & BEHAVIORAL SCIENCES, B.S.
• Introduction to psychology
• 1 semester calculus
• Statistics
• 1 year general chemistry
• Biology for biology majors sequence

RELI GIOUS STUDIES, B.A.
• General Education or IGETC

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

SOCI OCY, 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.
• 2 semesters calculus for science and math majors
• Linear algebra
• Differential equations
• UCSB PSAT 120AB recommended to be taken the summer before fall of first year

FINANCIAL MATHEMATICS & STATISTICS, B.A./B.S.
• 2 semesters calculus for science and math majors
• Linear algebra
• Differential equations

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

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

COMPUTING, B.A.
• General Education or IGETC

COMPUTER SCIENCE, B.S.
• 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.A.
• Programming in C or C++
• Data structures in C++
• Discrete math
• Multivariable calculus
• Computer organization w/ logic design

ELECTRICAL ENGINEERING, B.S.
• 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.
• Programming in C or C++
• MATLAB
• Multivariable calculus
• 2nd course in general chemistry w/ lab
• Electronic circuits
• Engineering graphics
• Strength of materials

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

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