



CHEMISTRY MAJOR

Transfer Requirements

The following requirements for the major are subject to change without notice. To assure that this information is current, you should consult with a Chemistry counselor, or review articulation agreements via the Internet at www.assist.org

NOTE: The BS Degree is typically more science subject intensive. The BA Degree may be more cross-disciplinary and allow for more elective choices/flexibility.

NOTE: Students who have a strong chemistry background, or have taken high school chemistry may take the chemistry placement exam to waive Chemistry 4, Beginning Chemistry. Although organic chemistry is generally an upper division course, some universities allow students to take it at a community college. Our Chemistry 7A, 7B is transferable, but the university may require a proficiency examination and additional upper division chemistry units.

CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS (CSUDH) (2016-2017)

BA Chemistry: Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1B, 1C, 1D (Biochemistry option: Physics 2A-2B or 3A-3B)

BS Biochemistry: Biology 101, 102; Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1B, 1C, 1D

BS Chemistry: Chemistry 1A, 1B; Math 190, 191, 220; Physics 1A, 1B, 1C, 1D

BA Biochemistry: Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1B, 1C, 1D or 2A, 2B or 3A, 3B

CALIFORNIA STATE UNIVERSITY, FULLERTON (CSUF) (2016-2017)

BA Chemistry: Chemistry 1A, 1B, 7A, 7B*; Physics 2A, 2B or 3A, 3B; Math 190, 191

BS Chemistry: Chemistry 1A, 1B, 7A, 7B*; Physics 1A, 1B, 1C, 1D; Math 190, 191, 220, 270

BS Biochemistry: Chemistry 1A, 1B, 7A, 7B, Physics 2A and 2B or 3A and 3B, Math 190 and 191

* Note: no upper division credit will be given for Chemistry 7A, 7B, subject credit only

CALIFORNIA STATE UNIVERSITY, LONG BEACH (CSULB) (2016-2017)

BA Chemistry: Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1B, 1C

BS Chemistry: Chemistry 1A, 1B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C; Biology 10 or Anatomy 30 or Physiology 31 or Anatomy and Physiology 34A, 34B or Biology 101 or 8 and 11, 102

BS Biochemistry: Chemistry 1A, 1B; Biology 101 or 8 and 11, 102; Math 190, 191; Physics 1A, 1B, 1C

NOTE: Major specific admissions requirements, please visit:

<http://web.csulb.edu/depts/enrollment/admissions/transfer-major-criteria/index.html>

CALIFORNIA STATE UNIVERSITY, LOS ANGELES (CSULA) (2016-2017)

BS Chemistry: Chemistry 1A, 1B, 7A, 7B*; Physics 1A, 1C; Math 190, 191, 220, 270

BS Biochemistry: Chemistry 1A, 1B, 7A, 7B; Physics 1A, 1C; Biology 101, 102; Math 190, 191

*NOTE: Students who have taken organic chemistry at the community college will have earned credit for CSULA's Chemistry 301A and 301B. Transfer students will have to take Chemistry 301C at CSULA as this course introduces biological molecules.

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE (CSUN) (2016-2017)

BA/BS Chemistry: Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1C

BS Biochemistry: Biology 101, 102; Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1C

UNIVERSITY OF CALIFORNIA, IRVINE (UCI) (2016-2017)

BS Pharmaceutical Sciences: required Biology 101, 102; Chemistry 1A, 1B; additional courses approved for major: Chemistry 21B; , 7A, 7B; Biology 103; Math 190; Math 191 or 150 or Psychology 9A or Sociology 109; Physics 3A, 3B or 1A, 1C

BS Chemistry: required Chemistry 1A, 1B; Math 190, 191; additional courses approved for major: Chemistry 7A, 7B; Math 220; Physics 1A, 1C; additional electives: Chemistry 21B; Biology 103

BS Biochemistry and Molecular Biology: required Biology 101, 102; Chemistry 1A, 1B, 7A, 7B; additional courses approved for major: Chemistry 21B; Biology 103; Math 190; Math 191 or 150 or Psychology 9A or Sociology 109; Physics 3A, 3B or 1A, 1C

UNIVERSITY OF CALIFORNIA, DAVIS (UCD) (2016-2017)

BS Chemical Physics: Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C, 1D

BS Pharmaceutical Chemistry: Chemistry 1A, 1B, 7A, 7B; Math 160, 161 or 190, 191; Biology 101, 102; Math 150 or Psychology 9A; Physics 2A, 2B or 3A, 3B or 1A, 1B, 1C, 1D

AB Chemistry: Chemistry 1A, 1B, 7A, 7B; Math 190, 191; Physics 2A, 2B or 3A, 3B or 1A, 1B, 1C, 1D

BS Chemistry: Chemistry 1A, 1B, 7A, 7B; Physics 1A, 1B, 1C, 1D; Math 190, 191, 220, 270

Options: **Applied Chemistry:**

Environmental Chemistry: add Biology 102; Math 150 or Psychology 9A or Sociology 109; Physics 2A and 2B or 3A and 3B or Physics 1A, 1B, 1C, 1D

Forensic Chemistry: add Biology 102; Math 150 or Psychology 9A or Sociology 109; Physics 2A and 2B or 3A and 3B or 1A, 1B, 1C, 1D

UNIVERSITY OF CALIFORNIA, BERKELEY (UCB) (2016-2017)

NOTE: IGETC or UCB's L&S requirements in Reading and Composition, Quantitative Reasoning, and Foreign Language **MUST** be completed by the spring semester prior to fall transfer;

BA Chemistry: required: Chemistry 1A, 1B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C, 1D; highly recommended Chemistry 7A, 7B

NOTE: the majors below are offered by the College of Chemistry. You must complete either: The Requirements in Reading and Composition, Quantitative Reasoning, and Foreign Language, OR IGETC by the end of the spring term that precedes fall enrollment at Berkeley. You must also prepare to do upper division work in your major.

BS Chemistry: English 1A and 1B; Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C, 1D

BS Chemical Biology: English 1B; Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C, 1D or 3A, 3B; Biology 101, 102, 103

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) (2016-2017)

BS Chemistry: Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1C, 1D

Option: **BS Material Science:** no Chemistry 7B

BS Biochemistry: Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220; Physics 1A, 1C, 1D or Physics 3A, 3B; Biology 101, 102, 103

UNIVERSITY OF CALIFORNIA, RIVERSIDE (UCR) (2016-2017)

BA Chemistry: Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220; Physics 3A, 3B or Physics 1A, 1B, 1C

BS Chemistry: Chemistry 1A, 1B, 7A, 7B; Physics 1A, 1B, 1C; Math 190, 191, 220, 270

Option: **BS Environmental Chemistry:** add Biology 101, 102

BS Chemical Physics: no additional courses

BS Biochemistry: BA and BS Plant Biology: Biology 101 or 8 and 11, 102; Chemistry 1A, 1B, 7A, 7B; Math 190, 191; Physics 3A, 3B or 1A, 1B, 1C

UNIVERSITY OF CALIFORNIA, SAN DIEGO (UCSD) (2016-2017)

BS Biochemistry/Chemistry; BS Chemical Physics: Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1C; Physics 1B or 1D

BS Chemical Education; Pharmacological Chemistry; Molecular Synthesis: Biology 101, 102 (chemical education and pharmacological chemistry options only); Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1C; Physics 1B or 1D

BS Chemistry: Chemistry 1A, 1B, 7A, 7B; Math 190, 191, 220, 270; Physics 1A, 1C; Physics 1B or 1D

Option: **BS Bioinformatics:** add Biology 101, 102; Computer Science 3 or 2; does not require Physics 1B or 1D

UNIVERSITY OF SOUTHERN CALIFORNIA (USC) (2016-2017)

BA Chemistry: Chemistry 1A, 1B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C, 1D

BS Chemistry: Chemistry 1A, 1B; Math 190, 191, 220, 270; Physics 1A, 1B, 1C, 1D

Option: **BS Chemical Biology:** add Biology 102; does not require Physics 1D

BS Chemical Nanoscience: no additional coursework