

Last updated 03/15/12. The information in this guide is based on 2011-12 articulation agreements and is subject to change. The universities may require additional lower division courses beyond those listed or articulated. Please review a current catalog of the campus of your choice and consult with a counselor. The most recent articulation information is available at www.assist.org.

In addition to the universities listed below, Chemistry programs are offered at CSU Bakersfield, Channel Islands, Dominguez Hills, Fresno, Fullerton, Los Angeles, Northridge, Pomona, San Bernardino, San Diego, San Marcos, and Stanislaus. Check the university catalogs or www.assist.org for information.

Please see the separate transfer major guide for BIOCHEMISTRY.

SRJC COURSES	CHEM	MATH	PHYS	ADDITIONAL COURSES & NOTES
CSU CHICO <i>B.A./B.S. Degrees</i>	CHEM 1A,1B, or 4A,4B; 12A	MATH 1A,1B,1C	** PHYS 40+41+42+43	** B.A. may choose option of PHYS 20/20L+21/21L.
CSU EAST BAY # <i>B.A. Degree</i> <i>B.S. Degree</i> <i>B.S. Forensic Science option</i>	CHEM 1A+1B or 4A+4B; 5 1A+1B or 4A+4B; 5 1A+1B or 4A+4B; 5	MATH 1A+1B 1A+1B+1C;5 1A+1B+1C	PHYS 20/20L+21/21L 40+41+42+43 20/20L+21/21L	CS 5 or 10; Chemistry Education option add BIO 10 CS 5 or 10 AJ 51A; BIO 2.1+2.2+2.3
HUMBOLDT STATE <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A+1B or 4A+4B; 12A+12B* 1A+1B or 4A+4B; 12A+12B*	MATH 8A+8B or 1A+1B+1C 1A,1B,1C,5	PHYS 20/20L+21/21L or 40+41+42+43 40+41+42+43	
CSU LONG BEACH # <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A,1B or 4A,4B; 5 1A,1B or 4A,4B; 5	MATH 1A,1B 1A,1B,1C	PHYS 40,42 40,41+43,42	Admission to all chemistry majors is competitive. See www.csulb.edu/depts/enrollment/admissions/transfers.html . B.S. add BIO 10 or PHYSIO 1 or BIO 2.1+2.2+2.3
CSU SACRAMENTO <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A,1B,5 or 4A,4B; 12A 1A,1B,5 or 4A,4B; 12A	MATH 1A,1B 1A,1B,1C**	PHYS 20/20L+21/21L or 40+41+42 40+41+42	ENGL 1B or 5 = prereq to all upper division labs. B.A. General concentration: add MATH 1C**. B.A. Forensic Chemistry concentration: add AJ 21. B.S. degree: Elementary German recommended. ** Articulation for MATH 1C has been requested with no decision at this time. Check www.assist.org for the latest articulation approvals.
SAN FRANCISCO ST <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A,1B or 4A,4B; 12A,12B* 1A,1B or 4A,4B; 12A,12B*	MATH 1A,1B 1A,1B	PHYS 20/20L+21/21L or 40+41 40,42	Both BA and BS: ENGL 1B or 5 = prerequisite to upper division writing requirement.
SAN JOSE STATE <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A+1B or 4A+4B; 5; 12A+12B* 1A+1B or 4A+4B; 5; 12A+12B*	MATH 1A 1A,1B,1C	PHYS 20/20L,21/21L 40,41,42,43	B.A. Preparation for Teaching: add BIO 2.2+2.3 or BIO 12+Biol 21 at SJSU. Both BA & BS: ENGL 1B or 5 or PHIL 5 or SPCH 9 = prerequisite to upper division writing. 2 units of PE in at least two different activities required for graduation. B.S. Chemistry-Materials Science: add ENGR 45; MATH 2.
CAL POLY SLO <i>B.S. Degree</i>	CHEM 1A,1B or 4A,4B; 12A,12B*	MATH 1A,1B,1C; 2+5 or 15	PHYS 40,41,42 PHYS 43 = elective	Major requires Cal Poly's Bio 161 (Bio 160+161+162 are articulated with SRJC's BIO 2.1+2.2+2.3). Polymers & Coatings concentration: add ENGR 45.
IMPORTANT: IMPORTANT: For admission selection criteria by major, see http://admissions.calpoly.edu/apply/transfer_sc				
SONOMA STATE <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A,1B or 4A,4B; 5; 12A+12B* 1A,1B or 4A,4B; 5; 12A+12B*	MATH 1A,1B 1A,1B,1C	PHYS 20/20L+21/21L or 40+41+42 40+41+42	

* Where CHEM 12A, 12B are accepted in lieu of upper division university courses, upper division credit will not be awarded.

Course substitutions for CHEM 12A, 12B considered on a case-by-case basis after admission.

CHEMISTRY --- continued

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In addition to the universities listed below, Chemistry programs are offered at UC Irvine, Merced, and Riverside. Check the university catalogs or www.assist.org for information.

Please see the separate transfer major guide for BIOCHEMISTRY.

SRJC COURSES	CHEM	MATH	PHYS	ADDITIONAL COURSES & NOTES
UC BERKELEY <i>B.A./B.S. Degrees</i>	CHEM 1A+1B+5 or 4A+4B; 12A+12B**	MATH 1A,1B+1C, 2+5	PHYS 40+41+42+43	ENGL 1A+1B+5 and Foreign Language (ASL 2, FREN 2, GERM 2, HEBREW 2, ITAL 2, or SPAN 2 or 3 rd year of high school level) OR Complete the entire IGETC pattern. **Completion of a year of organic chemistry combined with a score in the 75 th percentile or higher on the ACS Organic Chemistry Exam = satisfactory completion of UCB Chem 112A+112B. B.A. (College of L&S): Complete either (1) L&S Reading & Composition, Foreign Language, & Quantitative Reasoning, or (2) IGETC by the end of the spring term that precedes fall enrollment at UCB. B.S. (College of Chemistry): Complete math and science courses with B or better grades. Minimum 3.0 overall GPA required for admission consideration.
	See www.assist.org for more information, including minimum coursework to be completed prior to transfer and other options for completing the foreign language requirement.			
UC DAVIS <i>A.B. Degree</i> <i>B.S. Degree</i> <i>B.S. Applied Chemistry</i>	CHEM 1A+1B or 4A+4B; 12A+12B* 1A+1B or 4A+4B; 12A+12B* 1A+1B or 4A+4B; 12A+12B*	MATH 8A+8B or 1A+1B 1A,1B, 1C,2,5 8A+8B or 1A+1B	PHYS 20/20L+21/21L or 40,41,42 40,41,42 43 recommended 20/20L+21/21L or 40,41,42	Chemical Physics requires MATH 1A, 1B, 1C, 2, 5 and PHYS 40,41,42,43. Environmental or Forensic: add BIO 2.1; MATH 15. Pharmaceutical: add BIO 2.1, 2.2+2.3; MATH 15.
UCLA <i>B.S. Degree</i>	CHEM 1A+1B or 4A+4B; 12A+12B	MATH 1A,1B,1C,2	PHYS 40+41+42+43	
UC SAN DIEGO <i>B.S. Degree</i>	CHEM 1A+1B or 4A+4B; 12A+12B*	MATH 1A,1B,1C,2	PHYS 40,42,43	See www.assist.org for degree requirements in Chemical Education, Chemical Physics, Environmental Chemistry, Molecular Synthesis, and Pharmacological Chemistry.
UC SANTA BARBARA <i>B.A. Degree</i> <i>B.S. Degree</i>	CHEM 1A+1B or 4A+4B; 12A+12B* 1A+1B or 4A+4B; 12A+12B*	MATH 1A,1B,2+5 1A,1B, 1C,2+5	PHYS 20/20L+21/21L or 40+41+42 40+41+42	Both BA & BS degrees: A reading knowledge of a foreign language is strongly recommended for students planning advanced study in science. German is particularly useful.
UC SANTA CRUZ <i>B.A./B.S. Degrees</i>	CHEM 1A+1B or 4A+4B; 12A+12B*	MATH 1A+1B+1C	PHYS 40+41+42	B.S. degree (no concentration): add MATH 2 or 5. B.S. Environmental Chemistry concentration: add BIO 2.1, 2.2+2.3; ECON 12 or SOCS 12; GEOL 1/1L

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