

# California State University Long Beach

Policy Statement 86-13

November 7, 1986

**This curriculum was recommended by the Academic Senate in its** meeting of May 15, 1986, was approved by the Chancellor on October 14, 1986, and received the concurrence of the President on November 7, 1986.

Subject: BACHELOR OF SCIENCE IN BIOCHEMISTRY

The Bachelor of Science degree Biochemistry is intended to provide a rigorous background in chemistry and biochemistry for those planning to do graduate study in biochemistry or for careers in biochemical and related industries. This program is also an appropriate preparation for medicine, dentistry, pharmacy and clinical chemistry at the graduate level. Students must confer with an advisor to set up an appropriate program for their goals.

Biochemistry majors must achieve a grade of C or better in all Chemistry and Biochemistry courses required for the major.

Requirements for the Bachelor of Science in Biochemistry (code 3-7658):

Lower Division: CHEM 111A/B, 251; courses to support the major to include BIOL 216, MICR 210, MATH 122, 123, and PHYS 100A/B or 151, 152.

Upper Division: CHEM 321A/B, 371A or 377A, 377B, 441A/B, 443 and 473, MICR 452, 473. Courses to support the major must include A/P 342 and 342L (or 440), MICR 450 and 451 (or BIOL 370), ENGL 317, and a computer course which includes programming.

Transfer students: Students who transfer to the University must take at least 16 units of upper-division Chemistry courses at C.S.U.L.B. To receive credit toward the major for courses taken elsewhere in place of CHEM 321A/B, 371A or 3778, consent of the Department Chair is required. In addition, satisfactory performance on appropriate proficiency examinations may be required.

Effective: Fall 1986