Bioinformatics, Minor

The minor provides a focused study of bioinformatics to supplement a student's major program of study and prepares students for a profession, career, or academic pursuit in which biomedical computing is an integral part but is not the primary focus. The Bioinformatics minor contributes to students' competence in computing applied to biomedical problems and data, as well as exposing them to the fundamentals of the life sciences from a computer science perspective. The minor allows students sufficient flexibility to pursue courses that complement their major field or address specific interests.

Students who complete the minor requirements will be able to do the following: synthesize computer science, quantitative methods, and biological science; understand the synergistic set of reciprocal influences between life and computational sciences and technologies; discuss biomedical computing problems and corresponding computer science perspectives; and employ principles, methods, and technologies fundamental to biomedical computing.

A. Complete all of the following:	
I&C SCI 31	Introduction to Programming
I&C SCI 32	Programming with Software Libraries
I&C SCI 33	Intermediate Programming
BIO SCI 93	From DNA to Organisms
COMPSCI 184A	Artificial Intelligence in Biology and Medicine
COMPSCI 184C	Computational Systems Biology
COMPSCI 189	Project in Bioinformatics

NOTE: A maximum of two courses may be taken Pass/Not Pass toward a minor. Bren School majors should refer to the Majors/Minors Restrictions *Catalogue* section before attempting to minor in Bioinformatics. Students who are considering a major in the Donald Bren School of Information and Computer Sciences must complete the major requirements for a letter grade. Visit the ICS Student Affairs Office website for Majors and Minors restrictions (http://www.ics.uci.edu/ugrad/degrees/MajorMinor_Restrictions_Chart.pdf)

- Computer Science, B.S.
- Computer Science, M.S.
- Computer Science, Ph.D.
- Master of Computer Science