

CHEM 132B	Quantum Principles, Spectroscopy, and Bonding
CHEM 132C	Molecular Structure and Elementary Statistical Mechanics
PHRMSCI 170A	Molecular Pharmacology I
PHRMSCI 171	Physical Biochemistry
Select two four-unit courses from the following:	
BIO SCI D103–D189, E106–E189, M119–M190, N110–N189	
CHEM 128	Introduction to Chemical Biology
CHEM 132A	Chemical Thermodynamics, Kinetics, and Dynamics
CHEM 132B	Quantum Principles, Spectroscopy, and Bonding
CHEM 132C	Molecular Structure and Elementary Statistical Mechanics
PHRMSCI 170A	Molecular Pharmacology I
PHRMSCI 171	Physical Biochemistry
No course may be used to satisfy more than one requirement.	

Application Process to Declare the Major: The major in Biochemistry and Molecular Biology is open to junior- and senior-level students only. Applications to declare the major can be made at any time, but typically in the spring of the sophomore year. Review of applications submitted at that time and selection to the major by the Biochemistry and Molecular Biology Faculty Board is completed during the summer. Information can also be found at the UCI Change of Major Criteria website (<http://www.changeofmajor.uci.edu/>). Double majors within the School of Biological Sciences or with Public Health Sciences, Biomedical Engineering: Premedical, Nursing Science, or Pharmaceutical Sciences are not permitted.

Freshman		
Fall	Winter	Spring
BIO SCI 93	BIO SCI 94	CHEM 1C- 1LC
BIO SCI 93L	BIO SCI 94L	STATS 7 or 8 (or Math 5A or General Education)
CHEM 1A	CHEM 1B	Lower-Division Writing ¹
BIO SCI 2A	Lower-Division Writing ¹	
Sophomore		
Fall	Winter	Spring
BIO SCI 97	BIO SCI 98	BIO SCI 99
CHEM 51A	CHEM 51B- 51LB	CHEM 51C- 51LC
CHEM 1LD	MATH 5B (or General Education)	
MATH 5A or 5B		
Junior		
Fall	Winter	Spring
Biochem./Mol. elective	BIO SCI M114	BIO SCI M116
Research/Elective	Biochem./Mol. elective	BIO SCI M116L
BIO SCI 100	BIO SCI M114L	PHYSICS 3C- 3LC
PHYSICS 3A	PHYSICS 3B- 3LB	
Senior		
Fall	Winter	Spring
Biochem./Mol. elective	Bio. Sci. elective or lab	Bio. Sci. elective or lab
Biochem./Mol. elective	Research/Elective	Research/Elective
Research/Elective	General Education/Elective	General Education/Elective
General Education/Elective		

¹ Students have the option of taking HUMAN 1AS, HUMAN 1BS, HUMAN 1CS or WRITING 40, WRITING 50, WRITING 60 in order to fulfill the lower-division writing requirement.

- Microbiology and Immunology, B.S.