

BIOCHEMISTRY & MOLECULAR BIOLOGY (BMB)

Bachelor of Science Degree

CHECK LIST

REQUIRED COURSES

BIOCHEMISTRY

- _____ Biochemistry 100A (F)
- _____ Biochemistry 100B (W)
- _____ Biochemistry 100C (S)

BIOLOGY

- _____ Biology 20A, (FWS) Cell & Molecular Biology
- _____ Biology/Bioe 20B, (FWS) Development & Physiology
- _____ Biology 105, (FWS) Genetics
- _____ Biology 110, (FS) Cell Biology
- _____ Biology 115, (WS) Eukaryotic Molecular Biology

GENERAL CHEMISTRY

(Chemistry Assessment – this will help determine if you have sufficient background to enter directly into the Chemistry 1A course:

<http://www.chemistry.ucsc.edu/ChemistrySelf-assessment.html>)

- _____ Chem 1A (FW)
- _____ Chem 1B/M (WS)
- _____ Chem 1C/N (SF)

ORGANIC CHEMISTRY

- _____ Chem 108A/L (FW) **OR** _____ Chem 112A/L
- _____ Chem 108B/M (WS) _____ Chem 112B/M
- _____ Chem 112C/N

PHYSICAL CHEMISTRY

- _____ Chem 163A (F)
- _____ Chem 163B (W)

CALCULUS

- _____ Math 11A **OR** _____ Math 19A
- _____ Math 11B _____ Math 19B
- _____ Math 22 _____ Math 22

CALCULUS-BASED PHYSICS

- _____ Physics 6A/L **OR** _____ Physics 5 series
- _____ Physics 6B/M
- _____ Physics 6C/N

LABORATORY ELECTIVES* *Select TWO 5.0 credit hour labs. For updates on lab offerings, check the Course Index at <http://www.biology.ucsc.edu/courses/index.html>*

- _____ Biol 100L, (F) Biochemistry Lab⁺
- _____ Biol 105L, (FS) Eukaryotic Genetics Lab⁺
- _____ Biol 105M, (W) Microbial Genetics Lab
- _____ Biol 110L, (S) Cell Biology Lab⁺
- _____ Biol 111L, (S) Immunology Lab, pre-requisite lecture required.
- _____ Biol 115L, (WS) Eukaryotic Molecular Biology Lab⁺
- _____ Biol 115M, (S) Molecular Genetics Lab⁺
- _____ Biol 119L, (FWS) Microbiology Lab, pre-requisite lecture required⁺
- _____ Biol 187L, (F) Molecular Biotechnology Lab
- _____ Bioc 110, (S) Biochemistry Lab⁺

⁺: meets Writing Intensive Requirement

***Beginning AY 08/09 incoming FRESHMEN are required to take 2 five-credit upper-division laboratories. Continuing students and incoming Junior Transfers are required to take Biol 20L plus 1 upper-division lab. Junior Transfers may elect to take Biol 20L plus 1 lab or 2 upper-division lab courses.**

SENIOR REQUIREMENT (Choose one of the following)

1. Senior Thesis, Chem 180ABC
2. Graduate Record Examination Biochemistry
Subject Test, score of 50 percentile or higher.

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