

# Molecular Toxicology Checklist

## University Requirements

Sub A \_\_\_\_  
 Hist \_\_\_\_  
 Inst \_\_\_\_  
 AC \_\_\_\_

## Lower Division Requirements

### Humanities & Social Sciences [22]

\_\_\_\_ English 1A & 1B or equivalent 8  
 \_\_\_\_ Additional Courses 14

### Biological & Nat. Resource Sci. [11]

\_\_\_\_ NST 11 2  
 \_\_\_\_ Biology 1A 4  
 \_\_\_\_ Additional Courses from Biology, 5  
 Microbiology, or Physiology  
 (MCB 32/32L is recommended)

### Physical Sci. & Mathematics [24-25]

\_\_\_\_ Chemistry 1A 4  
 \_\_\_\_ Chemistry 3A 5  
 \_\_\_\_ Chemistry 3B 4  
 \_\_\_\_ Math 16A or Math 1A 3-4  
 \_\_\_\_ Physics 8A 4  
 \_\_\_\_ Comp. Sci. 3 or 61A 4  
 (it is recommended that this course be  
 taken during the summer at UCB or at a  
 community college)

## Subject Requirements

**Students must take a course (lower or upper division) in each of the following three subject areas.** Either Microbiology **or** Physiology must include a lab.

\_\_\_\_ Microbiology (choose one)  
 PMB 39 (Env. Microbio.), NST 113 (2), MCB 112 (3), PH 162A (3), ESPM 112 (3), **or** CE 114 (3)  
 \_\_\_\_ Physiology (choose one)  
 MCB 32 (3), MCB 136 (4) **or** IB 132 (3)  
 \_\_\_\_ Microbiology **or** Physiology Lab  
 (choose one) MCB 112L (1), PH 162L (1), MCB 32L (2) **or** IB 132L (2)

## Upper Division Requirements [40]

\_\_\_\_ MCB 102 or MCB 100/110 4-8  
 \_\_\_\_ MCB 140 or 142 4  
 \_\_\_\_ NST 110 3  
 \_\_\_\_ NST 120 3  
 \_\_\_\_ NST 121 3  
 \_\_\_\_ NST 171 3  
 \_\_\_\_ Stat 131A or PH 142A 4  
 \_\_\_\_ NST 193 1

### Additional Upper Division Unit Requirements

Students are required to earn a total of 40 upper division units (including the classes noted above). At least 6 of the remaining units must be selected from list A of the restricted electives noted below. The balance of units can be satisfied by applying upper division courses used to satisfy the Subject Requirement, or by selecting additional courses from list A or courses from list B.

### Restricted Electives

A.	units	B.	units
____ ESPM 100	4	____ Chem 130A	3
____ ESPM 162	3	____ Civ Eng 114	3
____ NST C112	3	____ Civ Eng 115	3
____ NST C114	3	____ ESPM 119	2
____ NST H196	2-4	____ ESPM 126	3
____ NST 197	1-3	____ IB 152	4
____ NST 199	1-3	____ NST 106	3
____ PH 220C	3	____ NST 113	2
		____ NST 150	3
		____ NST 160	3
		____ PH 150A	3
		____ PH 150B	3
		____ PH C171	3

## Free Electives

As many courses as necessary to achieve the total unit count of 120 that is required by the University.

**• ALL COURSES MUST BE TAKEN FOR A LETTER GRADE WITH THE EXCEPTION OF FREE ELECTIVES OR COURSES THAT ARE ONLY OFFERED ON A PASS/NO PASS BASIS. No more than 1/3 of the total units taken at Berkeley may be graded P/NP**

**• There is a maximum limit of 4 units of independent study per semester and only 16 units of independent study may count towards graduation.**

**• You must receive at least a C- in all courses required for the major.**