

# 2011, 2012, 2013 DEGREE WORKSHEET - BIOENGINEERING & MATERIALS SCIENCE ENGINEERING

## Lower Division Requirements

Course	Semester Completed	Grade	Units
Math 1A			
Math 1B			
Math 53			
Math 54			
Chem 1A/1AL (or 4A)			
Chem 3A (or 112A)			
Chem 3AL			
Physics 7A			
Physics 7B			
Biology 1A/1AL			
BioE 10			
E 7			
E 45			
EE 40 OR 100			
BioE 24			

## Humanities/Social Studies Requirement: 6 courses

+ Must include one course with ethics content. This may be fulfilled within the Hum/SS requirement by taking a course from the approved list.

+ Visit [coe.berkeley.edu/hss](http://coe.berkeley.edu/hss) for details

Requirement	Course Taken & When	Grade
R & C A		
R & C B		
3.		
4		
5.		
6.		

- Ethics Content \_\_\_\_\_     Series \_\_\_\_\_  
 Upper Division 1 \_\_\_\_\_     Upper Division 2 \_\_\_\_\_

## University Requirements: 4 courses

Course	X		X
Entry Level Writing		American Institutions	
American History		American Cultures	

## Upper Division Requirements

Course	Semester Completed	Grade	Units
BioE 102			
BioE 104			
BioE 116, C117 or 111			
BioE C118			
MSE 102			
MSE 104			
MSE 130 or BioE115			
MSE 151 or ChemE 178			
MCB C100A/Chem C130 OR MCB 102			
BIOE 110 OR 113			
Eng 115 or Chem 120B			

## Upper Division: 2 courses

+ Choose from: BioE 121, 150; MSE 111, 112, 113

Course taken	Semester Completed	Grade	Units
1			
2.			

## Upper Division Technical Elective: 1 class

+Choose from: BioE 113, 116, C117, 121, H194; MSE 103, 111, 112, 113

Course taken	Semester Completed	Grade	Units

## Engineering Design Project or Research: 1 class

+ Choose 1 from: BioE 121L, 140L, 168L, 192, H194, 196

Course taken	Semester Completed	Grade	Units

## Unit Requirement: Complete a minimum of 120 units

\* This is the number on your UC transcript minus any units for duplication of work. For example, If you took Chem 1A and also received units for AP Chem, you need to subtract the AP units from your total.

COMPLETED	NEEDS