

**2008-2011 DEGREE WORKSHEET -BIOENGINEERING & MATERIALS SCIENCE ENGINEERING**

**Lower Division Requirements**

Course	Semester Completed	Grade	Units
Math 1A			
Math 1B			
Math 53			
Math 54			
Chem 1A (or 4A)			
Chem 3A (or 112A)			
Chem 3AL			
Physics 7A			
Physics 7B			
Biology 1A/1AL			
E 10 or BioE 10			
E 7 or CS 61A			
E 45			
EE 40, 100 or BioE 101			
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.

+ Refer to page 2 of this worksheet for details on this requirement

Requirement	Course Taken & When	Grade
R & C 1		
R & C 2		
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 or C117			
BioE C118			
MSE 102			
MSE 104			
1 of: MSE 130, BioE 110, BioE 115			
MSE 151 or ChemE 178			
MCB 130			
1 of: MCB 102, MCB 110 or Chem 135			
1 of: E 115, Chem 120B, Chem C130 or MCB C100A			

**BioMEMES Upper Division: 2 courses**

+ Choose from: BioE 121, 150; MSE 111, 112, MSE 113 or C113

Course taken	Semester Completed	Grade	Units
1			
2.			

**Upper Division Technical Elective: 1 class**

+ Choose from: BioE 111, 113, 116, C117, 121, H194; MSE 103, 111, 112, 113, C113

Course taken	Semester Completed	Grade	Units

**Engineering Design Project or Research: 1 class**

+ Choose 1 from: BioE 121, 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