

Department of Bioengineering Current Curriculum Electives List

BioE Fundamentals	Engineering /Biology Preparation	BioE Topics	Engineering Topics	Upper Div Biology Electives	Technical Topics
BioE 101	BioE 11	BioE 101	ChemE 140	BioE 103	Bio 1B
BioE 102	BioE 103	BioE 102	ChemE 141	Chemistry 135	Chemistry 3B
BioE 103	CE C30/ME C85	BioE 103	ChemE 150A	IB 115	Chem 112B
BioE 104	E 45	BioE 104	ChemE 150B	IB 127 & 127L	Chemistry 120A
BioE 110	EE 16A & 16B	BioE 110	ChemE 170A	IB 131	Chemistry 120B
BioE 131	EE 20N ( last offer F15)	BioE 111	ChemE 170B	IB 132	Chemistry C130/MCB C100A
	CS 61B or CS61BL	BioE C112	ChemE C170L	IB 135	Chemistry 130B
	Math 55 or * CS70	BioE 114	ChemE 171	IB 148	IB32
	MCB C100A/Chem C130 or BioE 103	BioE 115	ChemE C178	IB 163	CS 61B or CS61BL
	ME 40	BioE C117	CE C30/ME C85	MCB C100A/Chem C130	Math 55 or *CS 70
<b>BioE Lab Courses</b>		BioE C118	CE 130N	MCB 100B	Math 110
BioE 101	<b>Bioengineering Design</b>	BioE C119	CS 61A	MCB 102	Math 118
BioE 115	<b>Project or Research</b>	BioE 121	CS 61B or CS61BL	MCB 110	Math 127
BioE 131	BioE 101	BioE 121L	CS 160	MCB 111	Math 128A
BioE 121L	BioE 121L	BioE 124	CS 161	MCB 130	Math 170
BioE C136L	BioE 140L	BioE C125	CS 169	MCB 132	NUSC TX 121
BioE 140L	BioE 168L	BioE 131	CS 170	MCB 133L	Physics 7C (Honors)
BioE C144L	BioE 192 (Capstone Class)	BioE 132	CS 176	MCB 136	Physics 110A
BioE C145L	BioE H194	BioE 135	CS 186	MCB 140	Physics 112
BioE C145M	BioE 196	BioE/IB C136L	CS 188	MCB 140L	Physics 137A
BioE 163L		BioE C137	CS 189	MCB C148/PMB C148	Physics 177
BioE 168L		BioE 140L	CS C191	MCB 150	Physics C191
		BioE 144	E7	MCB 160	Stat 133
		BioE144L	E26	MCB 160L	Stat 134 or *IEOR 172
		BioE 147	E45	MCB 166	Stat 135
		BioE 148	E115	PMB/MCB C112	Stat 150
		BioE 150	E170	PMB 185	and/or any BioE Topics class
		BioE 151	EE16A & 16B		and/or any Engineering Topics class
			EE 105		and/or any Upper Div Bio Elective
			EE 117		
			EE 120		
			EE 126- stat		
			EE 142		

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	Ethics Requirement	BioE Topics	Engineering Topics		
	<i>Fulfills Humanities/Social Studies Requirement and Ethics Content.</i>	BioE 163	EE 143		
	Anthro 156B	BioE 163L	EE 192		
	BioE 100	BioE 164	IEOR 162		
	ESPM 161	BioE C165	IEOR 172		
	ESPM 162	BioE 168L	ME C85/CE30		
	L&S 160B	BioE C181	ME 102B		
	Philosophy 2, 104, or 107	BioE 190	ME 104		
	Engineering 125	BioE 192	ME 106		
	Engineering 157AC/IAS 157AC		ME 109		
			ME118		
			ME119		
			ME 132		
			ME 133		
			ME 167		
			ME 185		
			MSE 102		
			MSE 103		
			MSE 104		
			MSE 111		
			MSE 112		
			MSE 113		
			MSE130		
			MSE 151		
			NE 101		
			NE 107		
			BioE H194		
			BioE 196		
			and or any BioE Topics class		

**Note program of study must include :**

45 units of engineering are required (upper & lower division); these must be chosen from the BioE & Engineering Topics Lists.

42 units of upper division technical courses (math, science, engineering) and of these 22 units must be in Bioengineering.

\*Students may take either Stat 134 or IEOR 172 which is considered a stat class. Please note **IEOR 172 DOES NOT** count as an engineering elective and can not be counted towards the 45 units of engineering courses. \*Students may take either Math 55 or CS70 but not both. CS 70 counts as a Technical Elective and not an Engineering Elective. Courses should be taken from the approved BioE Curriculum Electives List.