

Department of Bioengineering Current Curriculum Electives List

BioE Fundamentals	Engineering /Biology Preparation	BioE Topics	Engineering Topics	Upper Div Biology Electives	Technical Topics
BioE 101	CE C30/ME C85	BioE 101	ChemE 140	Chemistry 135	Bio 1B
BioE 102	E 45	BioE 102	ChemE 141	IB 115	Chemistry 3B
BioE 104	EE 16A & 16B	BioE 104	ChemE 150A	IB 127 & 127L	Chem 112B
BioE 110	EE 20N (last offer F15)	BioE 110	ChemE 150B	IB 131	Chemistry 120A
BioE 116	CS 61B or CS61BL	BioE 111	ChemE 170A	IB 132	Chemistry 120B
BioE 131	Math 55 or * CS70	BioE C112	ChemE 170B	IB 135	Chemistry C130/MCB C100A
BioE 150	MCB C100A/Chem C130	BioE 113	ChemE C170L	IB 148	Chemistry 130B
	ME 40	BioE 115	ChemE 171	IB 163	CS 61B or CS61BL
	EE40 (last offer F15)	BioE 116	ChemE C178	MCB C100A/Chem C130	Math 55 or *CS 70
		BioE C117	CE C30/ME C85	MCB 100B	Math 110
BioE Lab Courses	Bioengineering Design	BioE C118	CE 130N	MCB 102	Math 118
BioE 101	Project or Research	BioE C119	CS 61A	MCB 110	Math 127
BioE 115	BioE 121L	BioE 121	CS 61B or CS61BL	MCB 111	Math 128A
BioE 121L	BioE 140L	BioE 121L	CS 170	MCB 130A	Math 170
BioE C136L	BioE 168L	BioE 124	CS 186	MCB 132	NUSC TX 121
BioE 140L	BioE 192 (Capstone Class)	BioE C125	CS C191	MCB 133L	Physics 7C (Honors)
BioE C144L	BioE H194	BioE 131	E7	MCB 136	Physics 110A
BioE C145L	BioE 196	BioE 132	E26	MCB 140	Physics 112
BioE C145M		BioE 135	E45	MCB 140L	Physics 137A
BioE 163L		BioE/IB C136L	E115	MCB C148/PMB C148	Physics 177
BioE 168L		BioE 140L	E170	MCB 150	Physics C191
		BioE 143	EE16A & 16B	MCB 160	Stat 133
		BioE C144	EE20N (Last offer F15)	MCB 160L	Stat 134 or *IEOR 172
		BioE C144L	EE40 (Last offer F15)	MCB 166	Stat 135
		BioE C145L	EE 105	PMB/MCB C112	Stat 150
		BioE C145M	EE 117	PMB 185	and/or any BioE Topics class
		BioE C146	EE 120		and/or any Engineering Topics class
		BioE 147	EE 126- stat		and/or any Upper Div Bio Elective
		BioE 148	EE 142		
		BioE 150	EE 143		
		BioE 151	EE 192		
			IEOR 162		

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	Ethics Requirement	BioE Topics	Engineering Topics
	<i>Fulfills Humanities/Social Studies Requirement and Ethics Content.</i>	BioE 163	ME 102B (formerly ME102)
	Anthro 156B	BioE 163L	ME 102B (formerly ME102)
	BioE 100	BioE 164	ME 104
	E125	BioE C165	ME 106
	ESPM 161	BioE 168L	ME 109
	ESPM 162	BioE C181	ME118
	L&S 160B	BioE 190	ME119
	Philosophy 2, C104, 107	BioE 192	ME 132
	Engineering 125		ME 133
	Engineering 157AC/IAS 157AC		ME 167
	Public Health 116		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

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Engineering Elective. Courses should be taken from the approved BioE Curriculum Electives List.