

## Chemical Engineering Elective Courses

Complete at least **19 units** from the following list:

<b>Engineering Topics:</b>		
BME 120	MSE 158	ENGRCEE 176
BME 121	MSE 163	EECS 170A, B, or C
BME 135	MSE 164	EECS 174
CBE 160*	MSE 165C	ENGR 150
CBE 161	MSE 175	ENGRMAE 110
CBE 163	ENGR 7A & 7B**	ENGRMAE 114
CBE 176	BME 50A**	ENGRMAE 118
CBE 181	BME 50B**	ENGRMAE 130B
CBE 183	ENGRCEE 160	ENGRMAE 135
CBE 187	ENGRCEE 162	ENGRMAE 164
MSE 60**	ENGRCEE 163	ENGRMAE 185
MSE 141	ENGRCEE 171	MSE 69**
MSE 155	ENGRCEE 172	
<b>Non-Engineering Topics:***</b>		
CHEM 107 or 107L	CHEM 170	Math 112A, B, or C
CHEM 125	Bio Sci 98	Mgmt 101
CHEM 137	Bio Sci 99	Mgmt 109
CHEM 152	Bio Sci D103	Mgmt 149
CHEM 153	Bio Sci D104	
CHEM 160	Bio Sci M137	

### Notes:

- From the 19 units of technical electives, 14 units must be engineering topics\*\*\*.
- A maximum of 4 units of individual study/undergraduate research (E199, CBE 199) may count toward the 19 units of technical electives.
- A maximum of 4 units of pre-approved lower division courses may count toward the 19 unit requirement. \*\*
- Any course not listed can be petitioned via Variation to Degree form to count toward the 19 unit requirement.

\*CBE 160: Engineering Biology- 4 units count as Technical elective units but only 2 of those units count towards the Engineering Topics requirement.