

Technical Elective (TE) Requirements

Recommended courses

Biomolecular track (8 units minimum):

BIOE 100¹, 108, 111, 130, 138, 139, 150, 154, 155, 156, 157, 158, 159, 161, 166, 167, 168, 170, 173, 174, 177A&B, 178, 179, 180, 181, 185, 186, 187, 190, (188/189, 198, 199)²

BIOL 110, 113, 114, 122, 172, 174, 178, 179

CHEM 111, 141, 142, 150, 151; PHYS 171

Medical-device track (8 units minimum):

BIOE 100¹, 106, 107, 108, 111, 130, 148, 150, 156, 157, 163, 166, 167, 168, 170, 172, 173, 175, 176, 177A&B, 178, 179, 180, 181, 185, 186, 187, 190, (188/189, 198, 199)²

AMTH 118; CSEN 140; CSCI 183, 184

ECEN 115, 116, 123 (x-list: CSEN 123, MECH 143), 133, 151, 156, 160

MECH 151; PHYS 171

Pre-med track (8 units minimum):

BIOE 100¹, 107, 108, 111, 130, 138, 139, 140, 141, 148, 150, (154 or 155)³, 156, 157, (161 or 163)³, 166, 167, 168, 170, 173, 174, 175, 176, 177A&B, 178, 179, 180, 181, 185, 186, 187, 190, (188/189, 198, 199)²

BIOL 110, 113, 114, 122, 172, 174, 178, 179

CHEM 111, 141, 142, 150, 151; PHYS 171

Notes:

1. BIOE 100 can only be taken up to two times.
2. Maximum of 6 units combined for co-ops, internships, and supervised independent research. Non-BIOE units will not be credited.
3. Upper-division BIOE course not selected as a required course may count as a TE.
4. Of the required minimum TE units, at least 4 units must be upper-division BIOE courses.
5. Students in the pre-med track are recommended to take CHEM 141 as a TE, as well as complete a full year of lower-division chemistry by enrolling in CHEM 50.

Bioethics Requirement (separate from Core Ethics Requirement)

One course from BIOE 180 (TE), BIOL 171 (RTC 3), ENGR 19 (Ethics), PHIL 27 (Ethics), PHIL 111 (Ethics), TESP 141 (RTC 3) or TESP 157 (RTC 3)

University Core Requirements

CTW 1	CTW 2	C&I 1	C&I 2	C&I 3
RTC 1*	RTC 2	RTC 3	Ethics*	Diversity
ELSJ	Pathway	Social Science		

*ENGR 16 (RTC 1) and ENGR 19 (Ethics) are recommended.