

Technical Electives - 7 units

Last update: November 15, 2024

Take seven units from the approved list below that satisfy the following requirements:

- Two units must be 300-level BME courses with 100% engineering topics
- Three total units must be 100% engineering topics (the two above courses plus one more).

It is fine to combine two partial-unit 100% eng courses (ex: DSGN 240 and 321)

- Only one unit may be a graded, independent research course.

BMD_ENG 390-3 may only be taken by permission and cannot count as one of the 300-level BME courses with 100% engineering topics.

Approved courses include the following. Other courses (including BME 400-level engineering courses) may be acceptable. Please submit a curriculum petition if you wish to have a course that is not on this list considered. Submit it prior to taking the course.

Science Courses

BIOL_SCI 202
BIOL_SCI 301
CHEM 215-1 (if not used as a core course)
CHEM 215-2
CHEM 215-3
PHYSICS 135-3 (if not used as a core course)
PHYSICS 357
All Bio, Physics, and Chemistry labs

200-level engineering courses

BMD_ENG 250
BMD_ENG 271
DSGN 240 (0.5 unit)
DSGN 321 (0.5 unit)
COMP_SCI 211
COMP_SCI 214
COMP_SCI 217
MAT_SCI 201

Independent study courses

BMD_ENG 390-3
BMD_ENG 499

300-level BME courses with 100% engineering topics

BMD_ENG 311
BMD_ENG 312
BMD_ENG 313
BMD_ENG 317 ◊
BMD_ENG 325 ▲
BMD_ENG 327 ▲
BMD_ENG 333 ▲
BMD_ENG 340 ◊
BMD_ENG 343 ◊♥
BMD_ENG 344 ◊♥
BMD_ENG 346 ◊♥
BMD_ENG 347
BMD_ENG 348
BMD_ENG 353
BMD_ENG 354
BMD_ENG 365
BMD_ENG 366
BMD_ENG 377
BMD_ENG 380
BMD_ENG 388-SA

300-level engineering courses

BMD_ENG 389-SA (not 100% eng)
CHEM_ENG 361 ◊
CHEM_ENG 376
CHEM_ENG 379

CIV_ENV 327
COMP_SCI 339
COMP_SCI 349
ELEC_ENG 332
ELEC_ENG 335
ELEC_ENG 360
ELEC_ENG 379
ELEC_ENG 382
ES_APPM 370 (not 100% eng)
IEMS 385
MAT_SCI 318
MAT_SCI 360
MECH_ENG 301
MECH_ENG 314
MECH_ENG 315
MECH_ENG 333
MECH_ENG 362
MECH_ENG 382
MECH_ENG 390

♥ Bio 202 is a pre-req or co-req

◊ Chem 215-1 is a prereq

▲ Phys 135-3 is a prereq

All courses in italics are 100% engineering