Fall

16 hours
Math 132 or 141 or 147 (3-4) (QFR) FA, SP, SU

Math 132 PreCal Math 131

14 Math 141 PreCal Math 128 or SAT Math 650

14 Math 141 PreCal ACT Math 26 or SAT Math 680

EF 142 or 151 or 157 or (4) FA, SP

EF 142 PreCal EF 141 with C- or better and Math 131

EF 142 Coreq EF 151 or 157

Math 131 Coreq EF 151 or 157 or EF 155 or ENG 201 or ENG 202

Chem 102 (3) or 132 (4) (NS)FA, SP, SU

Chem 102(3) or 132(4) (NS)FA, SP, SU

English 101 or 131 (2) FA, SP, SU

BME 450 (3) FA

Coreq- EF 152 or 158 and Math 231

BME 450 (3) FA

Coreq- EF 152 or 158 and Math 231

BME 460 (3) (AOC) SP

BME Elective (3) FA, SP, SU

BME Elective (3) FA, SP, SU

Technical Elective (2) FA, SP, SU

English 101 or 112 or 132 or 298

Vol Core (1 course) FA, SP, SU

Vol Core (1 course) FA, SP, SU

Oral Communication (OC)

Biomedical Engineering Elective

Must be preapproved based on selected Track. There are four (4) tracks: (1) Diagnostics, (2) Medical Devices Design, (3)Therapeutics, and (4) Pre-Med. The technical and BME elective courses for each Track are:

(1) Diagnostics Track: BME 440; BME 492; Math 260/267; Math 323 and ECE 472; ECE 473; ECE 318 and 415; ECE 202 and 333; Math 459; BSCB 415 and BCMB 416.

(2) Medical Device Design Track: BME 440; ECE 202 and 333; ME 405; ME 451; ME 310/317 and 390; ME 385 and 409; ME 385 and 415; ME 311; BSCB 105; BSCB 415 and BCMB 416.

(3) Therapeutics Track: BME 440; BME 492; BME 400; BME 401; BME 402; CHEM 260/268; CHEM 336/338; CHEM 338; CHEM 339; BSCB 415 and BCMB 416.

(4) Pre-Med Track: BME 440; BSCB 105; BSCB 415 and BCMB 416.

Full Status Progression

A lower-division student may apply for progression to upper division after completing EF 152/158, CHEM 123 and 123 or 128, MATH 231, ME 202, ME 231, and ME 321 with a grade of C or better in each, and an overall GPA of at least 2.4. These students must have completed 60 semester hours of coursework to be considered for full status.

Transfer Students

Students transferring from other institutions are considered transfer students. Transfer students must register and present the same criteria as non-transfer students, including transfer grades for acceptable substitutions. Transfer courses with grades below a C will not be accepted to fulfill any degree requirements.

BME Graduation Requirements

A minimum GPA of 2.0 in all departmental courses counted toward the degree taken at the University of Tennessee, Knoxville, is required for graduation. No more than two departmental courses in which a C- or lower is the highest grade earned may be counted toward graduation. This is in addition to the university's graduation requirements.