### Mechanical Engineering Catalog 2023

#### Full Status Progression

- **Fall 16 hours**
  - Math 132 or 141 or 147 (3-4) (QR), FA, SP, SU
  - Math 141 Prereq: Math 131
  - Math 141 Pre req: Act Math 28 or SAT Math 900
  - Math 142 Pre req: Math 141 or with C or better and Math 131
  - Math 151 Pre req: Math 141 or 147 or higher and FAF 105 or COSC 101 or CS 102
  - Chem 120 (2) and 125 (1) or 128 (4) (NS) FA, SP, SU
- **Spring 16 hours**
  - Math 142 or 146 (4) (QR), FA, SP, SU
  - Pre req: Math 132 or 141 or 147
  - Pre req: EF 152 or 155 or (NS and EI) FA, SP, SU
  - ME 202 (2) FA, SP, SU
  - Pre req: EF 120/125/127 with C or higher and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
- **Fall 15 hours**
  - Math 241 or 247 (4) FA, SP, SU
  - Pre req: Math 142 or 148
  - ME 251 (3) FA, SP, SU
  - Pre req: EF 152/157 with C or higher and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
  - Pre req: Math 152 or 156 and
  - Math 142 or 148
- **Spring 18 hours**
  - Math 231 or 237 (3) FA, SP, SU
  - Pre req: Math 142 or 148
  - Math 251 or 257 (3) FA, SP, SU
  - Pre req: Math 142 or 148
  - Physics 231 (3) FA, SP, SU
  - Pre req: Physics 135 or EF 101 and 152
  - Coreq: Math 143 or 148
  - ME 321 (3) FA, SP, SU
  - Pre req: ME 202 with C or better and
  - Math 142/148 with C or better
  - Pre req: Math 231 or 237 with C or better and
  - M S E 2 0 1
  - Pre req: EF 105 or CS 102
  - Coreq: EF 151 or 157
  - Coreq: EF 151 or 157
- **Fall 16 hours**
  - Math 331 (3) FA, SP, SU
  - Pre req: Math 241 or 247
  - Coreq: Math 241 or 247
  - ME 341 or 347 (3) FA, SP, SU
  - Pre req: ME 231 with C or better and Math 241 or 247 with grade of C or better
  - ME 366 (3) FA, SP, SU
  - Pre req: ME 321 with C or better and
  - M S E 2 0 1
  - E C E 3 0 1 (3) FA, SP, SU
  - Pre req: Math 231 or 237 with C or better
- **Spring 15 hours**
  - Math 466 (3) FA, SP
  - Pre req: Math 321 and M S E 2 0 1
  - Coreq: ME 366
  - ME 363 or 367 (3) FA, SP, SU
  - Pre req: ME 231 and Math 231 with grades of C or better
  - Dept. Elective (3) FA, SP, SU
  - Coreq: SA M 1 4 7 and 152
  - ME 344 (3) FA, SP, SU
  - Pre req: ME 331 and 391/397
  - Coreq: E A 3 4 1/347
  - ME 345 (3) (EI) FA, SP, SU
  - Pre req: Math 321
  - Coreq: AE 3 4 1/347 or B M E 3 4 1/347, and
  - M E 3 6 3/367 or B M E 3 6 3/367, and
  - E C E 3 0 1
  - Coreq: Math 231 or 237 with C or better
- **Fall 18 hours**
  - Math 475 or 477 (3) FA, SP, SU
  - Pre req: Math 344
  - Technical Elective (3) FA, SP, SU
  - Pre req: Petition required in advance with advisor and dept. head.
  - ME 365 (3) FA/SP/BU or 463 (3) SP
  - ME 365 Pre req: ME 231 with grade of C or better and
  - Math 463 Pre req: ME 365
  - E C E 3 0 1 (3) OC FA only
  - Pre req: Math 363 and 366
  - Coreq: M A T H 4 6 6 or 4 7 5
- **Spring 15 hours**
  - Vol Core (3) FA, SP, SU
  - Coreq: Expanded Perspectives- choose from
  - A H, A A H, G C S, G C I, or SS
  - Dept. Elective (3) FA, SP
  - Coreq: A E, B M E, ME not already required.
  - Dept. Elective (3) FA, SP
  - Coreq: A E, B M E, ME not already required.
  - ME 460 (3) (AOE) SP only
  - Pre req: AE 4 5 0
  - ME 489 (3) (W C) FA, SP
  - Pre req: ME 321, 344 & 345/347
  - and English 102, 132, 200, or 296

### Provisional Status Progression

- Students who have completed EF 152/157, CHEM 120/123 or 128, MATH 211, MATH 202, MATH 311 and MATH 321 with a grade of C or better in each, and an overall GPA of at least 2.4 are eligible for full status progression.

### Transfer Students

- Students transferring to the University of Tennessee, Knoxville, are required to meet the same criteria as non-transfer students, using transfer grades for acceptable substitutions.

### Departmental Academic Standing

- The faculty of the Department of Mechanical, Aerospace and Biomedical Engineering expect all students to meet the minimum GPA of 2.0 in all departmental courses counted toward the degree. Students not meeting the required departmental GPA may be dropped from their major.

### ME Graduation Requirements

- A minimum GPA of 2.0 in all departmental courses counted toward the degree is required. 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.

- Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.