Nuclear Engineering Catalog 2016

**Fall**
- **16 hours**
  - Math 141 or 147 (4) FA, SP, SU
  - English 101 or 118 (3) FA, SP, SU
  - Chem 120 or 128 (4) FA, SP, SU
  - EF 151 or 157 (4) FA, SP
  - EF 155 (1) FA, SP

  Prereq: Math 130 or math ACT 28 or Math SAT 630

  Coreq: Math 141 or 147 and EF 105

**Spring**
- **15 hours**
  - Math 142 or 148 (4) FA, SP, SU
  - English 102 (3) FA, SP, SU
  - Chem 130 or 138 (4) FA, SP, SU
  - EF 152 or 158 (4) FA, SP
  - EF 156 (1) FA, SP

  Prereq: Math 141 or 147 or Math SAT 630

  Coreq: EF 151 or 157

**Fall**
- **16 hours**
  - Math 231 (3) FA, SP, SU
  - NE 200 (2) FA
  - ME 202 (2) FA, SP, SU
  - Physics 231 (3) FA, SP, SU
  - EF 230 (2) FA, SP

  Prereq: Math 142 or 148

  Coreq: EF 152 or 158 and EF 156

**Spring**
- **15 hours**
  - Math 342 or 347 (3) FA
  - NE 351 or 357 (3) SP
  - MSE 201 or 207 (3) FA, SP
  - NE 342 or 347 (3) FA
  - NE 360 (4) FA

  Prereq: Math 231

  Coreq: Physics 136 or 138

**Fall**
- **15 hours**
  - Math 342 or 347 (3) FA
  - ECE 301 (3) FA, SP
  - NE 360 or 367 (3) FA
  - Physics 341 (3) FA
  - Gen Ed (3) FA, SP, SU

  Prereq: Math 231

  Coreq: Physics 136 or 138

**Spring**
- **16 hours**
  - NE 401 (4) SP
  - NE 360 or 367 (3) SP
  - MSE 201 or 207 (3) FA, SP
  - NE 470 (3) FA, SP
  - Gen Ed (3) FA, SP, SU

  Prereq: NE 233 or Physics 231

  Coreq: Physics 231

**Fall**
- **15 hours**
  - NE 402 or 427 (WC) (4) FA
  - NE 360 (4) FA
  - ME 321 (3) FA, SP
  - Technical Elective *(3) FA, SP, SU
  - NE 471 (1) FA

  Prereq: NE 401 and 470

  Coreq: Physics 231

  Technical Elective *(3) FA, SP, SU

**Spring**
- **16 hours**
  - NE 400 (CC) (1) SP
  - NE 406 or 467 (3) SP
  - NE 472 (3) SP
  - Technical Elective *(3) FA, SP, SU
  - Gen Ed (3) FA, SP, SU

  Minimum student level — senior

  Coreq: Physics 231

  Technical Elective *(3) FA, SP, SU

*Technical Electives are selected from upper division mathematics, chemistry, physics and engineering courses and must be pre-approved by the department advisor. Courses in Nuclear Engineering other than 500, 502 and 598 may also be used as technical electives.

**Full Status Progression**
A lower-division student may apply for progression to upper division after completing CHEM 120 or CHEM 128, CHEM 130 or CHEM 138, MATH 141 or MATH 147, MATH 142 or MATH 148, MATH 231, EF 151 or EF 157, EF 152 or EF 158, and PHYS 231, with a grade of C or better in each, and an overall GPA of at least 2.5.

**Provisional Status Progression**
Students who have completed CHEM 120 or CHEM 128, CHEM 130 or CHEM 138, MATH 141 or MATH 147, MATH 142 or MATH 148, MATH 231, EF 151 or EF 157, EF 152 or EF 158, and PHYS 231 with a grade of C or better have an overall GPA between 2.0 and 2.5 may apply for provisional status. The granting of provisional status is based on the availability of space in departmental programs after full status students have been accommodated. Provisional status students are required to demonstrate their ability to perform satisfactorily in upper-division by attaining a minimum GPA of 2.5 in the first 9 hours of 300-level required nuclear engineering courses. Award of upper-division full status is dependent upon this performance. Students who have not progressed to upper-division will be dropped from departmental courses.

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

**Nuclear Graduation Requirements**
Students are required to maintain a cumulative grade point average of at least 2.0 in all nuclear engineering courses taken at the University of Tennessee, Knoxville used to satisfy the graduation requirement. No more than four (4) credit hours of required nuclear engineering 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 are strongly recommended to meet with their faculty advisor every semester.

**UTRACK Milestones:**

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
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<th>Term 6 through 8</th>
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