<table>
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<th>Semester</th>
<th>Courses</th>
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| **Fall** | Math 132 or 141 or 147 (3-4) (QR) FA, SP, SU  
Math 132 Prereq: Math 131  
Math 141 Prereq: ACT Math 28 or SAT Math 660  
Chem 122(3) and 123(1) or 128 (4) (NS) FA, SP, SU  
EF 142 or 151 or 157 (4) (EI) FA, SP, SU  
EF 101 (1) FA, SP  
English 101 or 131 (3) FA, SP, SU  
- Prereq- Math 131  
- EF 142 Prereq- EF 141 with C- or better and Math 131  
- Coreq- EF 151 or 157  
- 16 hours |

| **Spring** | Math 132 or 141 or 147 (3-4) (QR) FA, SP, SU  
Prereq- Math 132 or 141 or 147  
EF 105 (1) FA, SP  
English 101 or 131 (3) FA, SP, SU  
- EF 105 Prereq- EF 101 and Test Scores;  
- EF 142 Prereq- EF 141 with C- or better and Math 131  
- Coreq- EF 151 or 157  |

| **Fall** | Math 231 or 237 (3) FA, SP, SU  
Prereq- Math 142 or 148  
NE 200 (2) FA  
ME 202 (2) FA, SP, SU  
Physics 231 (3) FA, SP, SU  
EF 230 or 237 (2) FA, SP  
ECON 201 or 207 (4) FA, SP, SU  
- Prereq- Math 142 or 148  
- Coreq- EF 152 or 158 and EF 151 or 157  
- Prereq- Phys 135 or EF 151 and 152  |

| **Spring** | Math 231 or 237 (3) FA, SP, SU  
Prereq- Math 142 or 148  
NE 233 (3) SP  
ME 331 (3) FA, SP, SU  
Physics 250 or 252 (4) FA, SP  
EF 230 or 237 (2) FA, SP  
NE 233 or 347 (3) SP  
- Prereq- NE 233 or 250  
- Coreq- Math 241 or 247  
- Prereq- Phys 250 or 252 or EF 230 or 237  
- Coreq- Math 241 or 247  
- Coreq- Math 142 or 148  |

| **Fall** | NE 342 or 247 (3) FA  
Prereq- Math 241 or 247; ME 331 with grade of C or better  
NE 362 or 367 (3) FA  
Prereq- Math 231/237, 241/247, NE 250  
Physics 341 (3) FA  
Prereq- Physics 232 or 250  
Vol Core (3) FA, SP, SU  
Global Citizenship United States (GCUS)  
Vol Core (3) FA, SP, SU  
- Prereq- NE 200 and NE 250  
- Coreq- Math 241 or 247  |

| **Spring** | NE 401 (WC) (4) FA  
Prereq- English 102, 112, 132, or 298 and NE 253 and NE 250  
NE 341 (3) SP  
Prereq- Math 250 and ME 331  
NE 470 (3) FA, SP  
Prereq- NE 362 or 367  
Technical Elective * (3) FA, SP, SU  
- Petition required in advance  
- Vol Core (3) FA, SP, SU  
- Global Citizenship International (GCI)  
- Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS  
- 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. |

| **Fall** | NE 402 or 472(4) FA, SU  
Prereq- NE 401 and 470  
English 102, 132, 290 or 298  
NE 360 (3) FA  
Prereq- Math 232 and 237  
NE 471 (2) (OC) FA  
Prereq NE 470  
NE 400 (1) FA, SP  
Minimum level Senior in Nuclear  
Technical Elective * (3) FA, SP, SU  
Vol Core (3) FA, SP, SU  
Arts and Humanities (AH)  
- Prereq- NE 402 and 472  
- Coreq- Math 241 or 247  |

| **Spring** | NE 472 (2) (AOE and EI) SP  
Prereq- NE 471  
Technical Elective * (3) FA, SP, SU  
Petition required in advance  
Technical Elective * (3) FA, SP, SU  
Petition required in advance  
Vol Core (3) FA, SP, SU  
Global Citizenship International (GCI)  
Vol Core (3) FA, SP, SU  
- Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS  
- 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. |

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**Full Status Progression**

A lower-division student may apply for progression to upper division after completing CHEM 122/123 or 128*, CHEM 132/133 or 138*, MATH 132/141/147*, MATH 142/148*, MATH 231/237, EF 151/157*, EF 152/158*, 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 122/123 or 128*, CHEM 132/133 or 138*, MATH 132/141/147*, MATH 142/148*, MATH 231/237, EF 151/157*, EF 152/158*, and PHYS 231* with a grade of C or better and 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.

**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.

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

Volunteer Core courses highlighted in light orange.