## CORE CURRICULUM

Core courses must be chosen from approved lists. [bit.ly/1d6oP6l](bit.ly/1d6oP6l)

| First Year Signature Course | 3 |
| English Composition | 3 |
| Humanities | 3 |
| American & Texas Government | 6 |
| American History | 6 |
| Social & Behavioral Science | 3 |
| Mathematics (Fulfilled by course in major) | 0 |
| Science & Technology-I (Fulfilled by courses in major) | 0 |
| Science & Technology-II (Fulfilled by courses in major) | 0 |
| Visual & Performing Arts | 3 |

## OPTION 3: RADIATION PHYSICS

Designed to provide the necessary foundation for the student who plans a career or further study in nuclear engineering, radiation engineering, or health physics.

### Additional Science:

6 hours in BIO, GEO, or AST

*Note: courses that cannot count toward major requirements in department that offers it cannot be applied.*

### Upper-division mathematics:

- M 427J or 427K
- M 427L

6 additional hours of upper-division Mathematics
- M 340L, 361, and 362K are recommended

### Upper-division physics:

- PHY 355 Modern Physics & Thermodynamics
- PHY 353L Modern Physics Laboratory
- PHY 352K Classical Electrodynamics I
- PHY 373 Quantum Physics I: Foundations
- PHY 369 Thermodynamics & Statistical Mechanics
- PHY 362L Quantum Physics III: Particles & Nuclei
  - 3 additional hours of upper-division PHY

### Upper-division mechanical engineering:


Potential substitutions may be discussed with faculty advisor.

### ELECTIVES

*Enough elective hours to reach 126 total*  
(The number of elective hours needed may vary depending on course selections.)

### ADDITIONAL GRADUATION REQUIREMENTS

- Minimum 21 upper-division hours in residence, including 12 in Physics
- Minimum 60 hours in residence overall
- Minimum 36 upper-division hours
- 126 hours total overall
- Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses
- Minimum UT-Austin Grade Point Average of 2.0
- Must apply to graduate during final semester
- 2020–22 Catalog expires August 2028