### CORE CURRICULUM

<table>
<thead>
<tr>
<th>Core courses must be chosen from approved lists</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>American &amp; Texas Government</td>
<td>6</td>
</tr>
<tr>
<td>American History</td>
<td>6</td>
</tr>
<tr>
<td>Social &amp; Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (fulfilled by course in major)</td>
<td>0</td>
</tr>
<tr>
<td>Science &amp; Technology-I (fulfilled by courses in major)</td>
<td>0</td>
</tr>
<tr>
<td>Science &amp; Technology-II (fulfilled by courses in major)</td>
<td>0</td>
</tr>
<tr>
<td>Visual &amp; Performing Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

### SKILLS & EXPERIENCE FLAGS

Flags attached to courses are displayed in the online Course Schedule.

**Two Writing Flags:**

1. Core Writing Flag (cannot also fulfill another core curriculum requirement)
2. Additional Writing Flag
   - Note: One of the two writing flags must be upper-division.

**One Quantitative Reasoning Flag**

**One Global Cultures Flag**

**One Cultural Diversity in the U.S. Flag**

**One Ethics and Leadership Flag**

**One Independent Inquiry Flag**

### FOREIGN LANGUAGE

1 of the following:

a. Beginning level proficiency in a foreign language
b. 1 course in a foreign language & 1 three-hour course in the culture of the same language area
c. 2 three-hour courses from the same foreign culture area

Foreign culture courses selected from approved lists maintained by the college. Bit.ly/19Ao6pc

### INTRODUCTORY MATHEMATICS & SCIENCE

**M 408C & 408D or 408N, 408S, & 408M** 8–12

**PHY 301 & 101L*, 316 & 116L*, and 315 & 115L** 12

* PHY 303K & 105M and 303L & 105N, substitute for PHY 301 & 101L and 316 & 116L. However, they are not preferred preparation for PHY 315 & 115L.

**CH 301 or 301C** 3

**CH 302 or 302C** 3

Note: Introductory science is substantially different for Option 6

### OPTION 4: SPACE SCIENCES

Designed to provide the necessary foundation for the student who plans a career or further study in space sciences.

**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:**

- PHY 355 Modern Physics & Thermodynamics
- PHY 353L Modern Physics Laboratory
- PHY 336K Classical Dynamics
- PHY 352K Classical Electrodynamics I
- PHY 329 Introduction to Computational Physics
- PHY 373 Quantum Physics I: Foundations
- PHY 369 Thermodynamics & Statistical Mechanics
- PHY 362K Quantum Physics II: Atoms & Molecules

1 of the following:

- 15 upper-division ASE hours
- or 12 upper-division ASE & 3 additional upper-division PHY hours

### 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
- 2022–24 Catalog expires August 2030