# CORE CURRICULUM
Core courses must be chosen from approved lists. bit.ly/1d6oP6l

<table>
<thead>
<tr>
<th>Course</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 language courses selected from approved lists maintained by the college. bit.ly/19Ao6pc

# INTRODUCTORY MATHEMATICS & SCIENCE

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 408C &amp; 408D or 408N, 408S, &amp; 408M</td>
<td>8–12</td>
</tr>
<tr>
<td>PHY 301 &amp; 101L*, 316 &amp; 116L*, and 315 &amp; 115L</td>
<td>12</td>
</tr>
<tr>
<td>CH 301, 301C, or 301H</td>
<td>3</td>
</tr>
<tr>
<td>CH 302, 302C, or 302H</td>
<td>3</td>
</tr>
</tbody>
</table>

* PHY 303K & 103M and 303L & 103N, substitute for PHY 301 & 101L and 316 & 116L. However, they are not preferred preparation for PHY 315 & 115L.

# 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:**
  - 14
    - M 427J or 427K
    - M 427L
    - 6 additional hours of upper-division Mathematics
    - M 340L, 36L, and 362K are recommended

- **Upper-division physics:**
  - 24
    - 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
- 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
- 2020–22 Catalog expires August 2028