### CORE CURRICULUM
Core courses must be chosen from approved lists.

<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:
- Core Writing Flag (cannot also fulfill another core curriculum requirement)
- 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: 6–12

- 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 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>
</tbody>
</table>

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

Introductory science in Option 2 is different than in this option.

### OPTION 1: ASTRONOMY

#### Additional science:
- 6 hours in BIO, CH, CS, and/or GEO

  **Note:** a course that cannot count toward major requirements in department that offers it cannot be applied. Elements of Computing coursework is an exception to this rule.

#### Upper-division mathematics:
- M 427J or 427K
- M 427L
- 3 hours any upper-division math

#### Upper-division astronomy:
- AST 307 Introductory Astronomy
- AST 352K Stellar Astronomy or 364P Planetary Systems
- AST 353 Astrophysics
- AST 358 Galaxies and the Universe or 376C Cosmology
- AST 375 Topics in Astronomy Research or 376R A Practical Intro to Research Methods
- 3 additional upper-division hours in AST

#### Upper-division physics:
- PHY 355 Modern Physics & Thermodynamics
- PHY 353L Modern Physics Laboratory
- PHY 336K Classical Dynamics
- PHY 352K Classical Electrodynamics I
- PHY 373 Quantum Physics I: Foundations
- PHY 369 Thermodynamics & Statistical Mechanics

#### Upper-division astronomy/physics:
- 6 additional upper division hours in PHY and/or AST and/or M

### ELECTIVES

**Enough elective hours to reach 123 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 and Astronomy
- Minimum 60 hours in residence overall
- Minimum 36 upper-division hours
- 123 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