### CORE CURRICULUM

Core courses must be chosen from approved lists. [bit.ly/1d6oP6l](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: 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 culture courses selected from approved lists maintained by the college. [bit.ly/19Ao6pc](bit.ly/19Ao6pc)

### INTRODUCTORY 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.

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