**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><strong>First Year Signature Course</strong></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 <em>(fulfilled by course in major)</em></td>
<td>0</td>
</tr>
<tr>
<td>Science &amp; Technology-I <em>(fulfilled by courses in major)</em></td>
<td>0</td>
</tr>
<tr>
<td>Science &amp; Technology-II <em>(fulfilled by courses in major)</em></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](bit.ly/19Ao6pc)

- **6–12**

**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>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CH 301 or 301C</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 302 or 302C</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Introductory science is substantially different for Option 6

**OPTION 1: PHYSICS**
Designed to give the student a strong foundation for graduate study or work in physics and for further study or work in a variety of other areas.

- **Additional science:**
  - 6 hours in BIO, GEO, or AST
  - Note: course 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, 361, and 362K are recommended

- **Upper-division physics:**
  - 25
    - 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 362K Quantum Physics II: Atoms & Molecules
    - PHY 474 Advanced Laboratory I
    - One of the following:
      - PHY 362L Quantum Physics III: Particles & Nuclei
      - PHY 352L Classical Electrodynamics II
      - PHY 375R Introduction to Relativity
      - PHY 375S Introductory Solid-State Physics

**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