**CORE CURRICULUM**

<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
  - 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:
- Beginning level proficiency in a foreign language
- 1 course in a foreign language & 1 three-hour course in the culture of the same language area
- 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 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 or 301H</td>
<td>3</td>
</tr>
<tr>
<td>CH 302 or 302H</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:**

M 427J or 427K
M 427L
6 additional hours of upper-division Mathematics
M 340L, 361, and 362K are recommended

**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
PHY 362K Quantum Physics II: Atoms & Molecules
PHY 362L Quantum Physics III: Particles & Nuclei
PHY 474 Advanced Laboratory I

**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
- 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
- 2018–20 Catalog expires August 2026

**Bachelor of Science in Physics (BS) 2018–20 Checklist**

Minimum Hours Required

<table>
<thead>
<tr>
<th>Minimum Days</th>
<th>Required</th>
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