## 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:**
  - 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
Attainment of an intermediate level of competency in a language other than English by completing 1 of the following:

- a. Certified proficiency on a placement or credit-by-examination test
- b. A passing grade in a language course listed in the College of Liberal Arts section (page 332)
- c. Students who wish to meet the requirement with proficiency in a language not listed in the table found in the College of Liberal Arts section above should contact the Texas Language Center

<table>
<thead>
<tr>
<th>Language</th>
<th>Minimum Hours Required</th>
</tr>
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<tbody>
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</tbody>
</table>

### SOCIAL SCIENCE
3 hours from a list of approved courses maintained by the College of Liberal Arts in addition to the course used to fulfill the social & behavioral science core requirement. The course must be in a different field of study from the course used to fulfill the social & behavioral science core curriculum requirement.

<table>
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<tr>
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</table>

### CULTURAL EXPRESSION, HUMAN EXPERIENCE, AND THOUGHT
3 hours from a list of approved courses maintained by the College of Liberal Arts. A course counted toward the core curriculum may not also be counted toward this requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
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</table>

### NATURAL SCIENCE
6 hours (Fulfilled by courses in major)

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
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</table>

## CHEMISTRY MAJOR

### Mathematics, choose 1 sequence:
- a. M 408C & 408D
- b. M 408N, 408S, & 408M

### Physics, choose 1 sequence:
- a. PHY 301, 101L, 316, and 116L
- b. PHY 303K, 105M, 303L and 105N
- c. PHY 317K, 105M, 317L, and 105N

### General chemistry:
- CH 301C or CH 301H
- CH 302C or CH 302H
- CH 204 or 317

### Organic chemistry, choose 1 sequence:
- a. CH 320M, 320N, 220C
- b. CH 328M & 128K, and 328N & 128L

### Physical chemistry:
- CH 353
- CH 153K

### Quantum chemistry & spectroscopy or Physical chemistry II:
- CH 354 or 354L

### Physical chemistry laboratory II:
- CH 154K

### Analytical chemistry:
- CH 456

### Advanced analytical chemistry:
- CH 376K

## ADDITIONAL COURSEWORK
Complete 1 sequence:
- a. 12 hours of majors-level coursework in 1 field of study: BIO, Math, or PHY
  - *Previously completed Math and PHY courses may be applied toward total
  - b. CS 303E, 313E, and 6 hours from CS 323E, 324E, 326E, 327E, and 329E
  - c. With written consent of department chair and approval of the dean, 12 hours in a field of study outside of the College of Natural Sciences

### ELECTIVES
Enough elective hours to reach 120 total
*(The number of elective hours needed may vary depending on course selections.)*

### ADDITIONAL GRADUATION REQUIREMENTS
- Minimum 18 hours of major in residence, including 6 upper-division hours
- Minimum 21 upper-division hours in residence
- Minimum 60 hours in residence overall
- Minimum 36 upper-division hours
- 120 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