# Bachelor of Science in Computer Science

## CORE CURRICULUM
Core courses must be chosen from approved lists. [bit.ly/16oP6j](bit.ly/16oP6j)

<table>
<thead>
<tr>
<th>Course Type</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>

## COMPUTER SCIENCE

<table>
<thead>
<tr>
<th>Module</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear Algebra:</td>
<td>3</td>
</tr>
<tr>
<td>Probability:</td>
<td>3</td>
</tr>
<tr>
<td>Programming:</td>
<td>6</td>
</tr>
<tr>
<td>Theory:</td>
<td>6</td>
</tr>
<tr>
<td>Systems:</td>
<td>8</td>
</tr>
</tbody>
</table>

24 additional upper-division CS hours: 24

Note: 9 of the 24 upper-division CS hours are substituted for a 3rd course from approved lists in programming, theory, and systems.

All transfer coursework must be approved by faculty before it can count towards a computer science degree, except where equivalency is specified by state regulations.

## 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. 1st 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/19O6px](bit.ly/19O6px)

## INTRODUCTORY SCIENCE
M 408C & 408D, or 408N & 408S & 408M: 8–12

1 of the following sequence lists: 6–8

- a. Biology: BIO 311C & 311D, or 315H & 325H
- b. Chemistry: CH 301 or 301C, and 302 or 302C
- c. Physics for engineering majors:
  PHY 303K & 105M and 303L & 105N
- d. Physics for physics majors:
  PHY 301 & 101L and 316 & 116L
- e. Physics for pre-medical majors:
  PHY 317K & 105M and 317L & 105N

1 additional course or pair of courses from the science sequence lists, in a different field of study, or 1 of the following: 3–4

- a. GEO 303 or 401, 3 hours, majors-level
- b. Mathematics, 3 upper-division hours (excluding M 325K, 340L, 341, and 362K)

## ELECTIVES

Enough elective hours to reach 120 total VARY

(The number of elective hours needed may vary depending on course selections.)

## ADDITIONAL GRADUATION REQUIREMENTS
- Minimum 21 upper-division CS hours in residence
- Minimum 60 hours in residence overall
- Minimum 42 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