# Bachelor of Science in Computer Science (BS) 2018–20 Checklist

## Core Curriculum
Core courses must be chosen from approved lists. 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:
- Core Writing Flag (cannot also fulfill another core curriculum requirement)
- Additional Writing Flag
  - 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/19Ao6pc

## Introductory Science
M 408C & 408D, or 408N & 408S & 408M 8–12

1 of the following science sequences: 6–8

- a. Biology: BIO 311C & 311D, or 315H & 325H
- b. Chemistry: CH 301 or 301H, and 302 or 302H
- c. Physics for engineering majors:
  - PHY 303K & 103M and 303L & 103N
- d. Physics for physics majors:
  - PHY 301 & 101L and 316 & 116L
- e. Physics for pre-medical majors:
  - PHY 317K & 117M and 317L & 117N
- 1 additional course or pair of courses from the science sequence lists, in a different field of study, or 1 of the following: 3
  - a. GEO, 3 hours, majors-level
  - b. Mathematics, 3 upper-division hours (excluding M 325K, 340L, 341, and 362K)

## Option 1: Computer Science

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

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

## 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
- □ 2018–20 Catalog expires August 2026