The University of Texas at Austin
College of Natural Sciences

# Bachelor of Science in Computer Science (BS) 2022–24 Checklist

## CORE CURRICULUM

Core courses must be chosen from approved lists. *bit.ly/1d6oP6l*

| | Minimum Hours Required |
|---|---|
| **First Year Signature Course** | **3** |
| **English Composition** | **3** |
| **Humanities** | **3** |
| **American & Texas Government** | **6** |
| **American History** | **6** |
| **Social & Behavioral Science** | **3** |
| **Mathematics** *(Fulfilled by course in major)* | **0** |
| **Science & Technology-I** *(Fulfilled by courses in major)* | **0** |
| **Science & Technology-II** *(Fulfilled by courses in major)* | **0** |
| **Visual & Performing Arts** | **3** |

## 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/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 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)

## OPTION 4: INTEGRATED PROGRAM

The Integrated Program option is a curriculum of undergraduate and graduate coursework that allows students to simultaneously earn the BS in Computer Science and the MS in Computer Science, the MS in Information Studies, or the MS in Computational Science. View the departmental website for more information about the option, including admission.

| | Minimum Hours Required |
|---|---|
| **Linear Algebra:** | **3** |
| M 340L, SDS 329C, or M 341 | |
| **Probability:** | **3** |
| SDS 321 or M 362K | |
| **Programming:** | **6** |
| CS 312 | |
| CS 314 or 314H | |
| **Theory:** | **6** |
| CS 311 or 311H | |
| CS 331 or 331H | |
| **Systems:** | **8** |
| CS 429 or 429H | |
| CS 439 or 439H | |
| **18 additional upper-division CS hours** | **18** |

*Note: 9 of the 18 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.*

## 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