

Bachelor of Science in Computer Science; Option II: Turing Scholars Honors
2012-14 Catalog (Expires August 2020)
Admission to Turing Scholars Program Required

University Core Curriculum

First-Year Signature Course: UGS 302 or 303 ____

English: RHE 306 ____

Humanities: E 316K ____

American & Texas Government: 6 hrs from approved core list
____ + ____

American History: 6 hrs from approved core list
____ + ____

Social and Behavioral Science: 3 hrs from approved core list ____

Mathematics: 3 hrs from approved core list: ____ [M 408C or M 408N]

Science and Technology Part I: 6 hrs in a single subject from approved core list: ____ + ____ [BIO 311C + 311D; CH 301 + 302; PHY 303K + 303L; GEO 401 + 404C or 405]

Science and Technology Part II: 3 hrs from a subject other than the one chosen for Part I from approved core list: ____ [May be satisfied by Second Science Sequence, or may be taken in addition to specific degree requirements]

Visual & Performing Arts: 3 hrs from approved core list ____

Note that no single course may be used to fulfill two core areas simultaneously. In most cases, students may satisfy both a *core requirement* and a *major requirement* with a single course. Plan II students may have additional options for some core requirements.

Other General Education Requirements

Two Writing Flags (must include a course that is not used to meet a core requirement and a course that is upper-division): ____ + ____

Writing Flag courses may satisfy other degree requirements.

Foreign Language, Option A, B, or C: ____ + ____

A) Two semesters in a single language or attainment of second-semester proficiency in one language:

B) First semester-level proficiency in a foreign language and a three-hour course in the culture of the same language:

C) Two three-hour culture courses chosen from one foreign culture category from approved list available in the CNS Dean's office and the college advising centers.

Mathematics with Grades of C- or Better

Mathematics: M 408C ____ + 408D ____ or M 408N ____ + 408S ____ + 408M ____

Mathematics 340L or 341 or Statistics and Scientific Computation 329C: ____

Statistics and Scientific Computation 321: ____

Computer Science with Grades of C- or Better

CS 314 or 314H: ____

CS 313K or 313H: ____

CS 336 or 336H: ____

CS 337 or 337H: ____

CS 341 or 341H or 357 or 357H: ____

CS 345 or 345H: ____

CS 429 or 429H: ____

CS 439 or 439H: ____

CS 178H: ____

CS 379H: ____ + approval of honors thesis by program director ____

The Department of Computer Science is updating its undergraduate curriculum. Please contact a computer science academic adviser for assistance in choosing alternative courses to the required courses if you have not completed them already or if they are no longer offered.

*** 15 Hours of Additional Upper-Division Computer Science:** ____ + ____ + ____ + ____ + ____

Must complete a minimum of 5 Upper-division Computer Science Honors Courses, excluding 178H and 379H: ____ + ____ + ____ + ____ + ____

* CS 370 may be counted only once toward the degree. Upper-division transfer courses must be approved to count toward this requirement.

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Two Science Sequences with Grades of C- or Better

Science Sequence with Labs:

Choose ONE of the following sequences:

1. **Biological Sciences:** BIO 311C ___ + 311D ___ + 325 ___ [or 315H ___ + 325H ___] and BIO 206L or 208L ___
2. **Chemistry:** CH 301 or 301H ___ + 302 or 302H ___ + 204 ___.
3. **Geological Sciences:** GEO 401 ___ + 404C or 405 ___.
4. **Physics:** PHY 303K + 103M ___ + 303L + 103N ___.

Additional Science Sequence: Choose an additional sequence from the sequences listed previously, OR one of the following sequences:

1. **Biological Sciences:** Three hours of upper-division BIO approved by the undergraduate adviser: _____
2. **Chemistry:** CH 328M + 128K + 328N + 128L; **OR** CH 320M + 320N + 220C; **OR** Six hours of upper-division CH approved by the undergraduate adviser: _____
3. **Geological Sciences:** GEO 416K + 426P; **OR** Six hours of upper-division GEO approved by the undergraduate adviser: _____ + _____
4. **Physics:** PHY 315 + Three hours of upper-division PHY approved by the undergraduate adviser: _____ + _____
5. **Mathematics:** Six hours of upper-division Mathematics approved by the undergraduate adviser. A course that appears on both approved lists may not count toward both the mathematics requirement and the optional mathematics science sequence: _____ + _____
6. **Electrical Engineering:** EE 313 + 331. *Note: EE 331 prerequisites are, with grades of C- or better, M 408D or 408M, and PHY 303L and 103N; EE 313 prerequisites are, with grades of C- or better: EE 331, M 427K, and credit or registration for M 340L.*

Enough Additional Elective Hours to Reach a Total of 127 Hours (including 42 Upper-division Hours)

[Due to choices offered for alternatives to required Computer Science, students should carefully add up their upper-division hours to ensure that 42 upper-division hours will be completed prior to graduation.]

_____ + _____ + _____ + _____ + _____ + _____ + _____ + _____ + _____ + _____

Minimum Grade Point Average Requirements

3.3 grade point average in all mathematics and science courses required by degree *: _____

3.3 grade point average in all courses taken at the University of Texas at Austin: _____

* Required mathematics and science courses may include: ACF, AST, BIO, CH, CS, EVS, GEO, HDF, HE, M, NEU, NSC, NTR, PHY, SSC, TXA, and UTS-Natural Sciences.

Total Hours and Residency Requirements

127 semester hours: _____
42 upper-division hours: _____
24 of the last 30 hours in residence: _____

60 hours in residence: _____
21 upper-division hours of Computer Science in residence: _____

No more than 16 hours of electives may be taken Pass/Fail. No more than 3 three-hour courses in Air Force Science, Military Science, and Naval Science may be counted toward the degree. The following courses will not count toward this degree: some Elements of Computing courses, KIN 119, or PED one-hour activity courses. Check course descriptions of lower-division science courses not required for majors in the same field of study to see if they can or cannot count toward your degree.

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

Additional Information

This checklist has been created as a guide and is not considered an official document. For further information about meeting degree requirements, consult your academic advisor.

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