

Bachelor of Science in Computer Science; Option IV: Integrated Program
2012-14 Catalog (Expires August 2020)
By Admission Only; Awarded Jointly with Master of Science in Computer Science

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: ____ [CS 312]

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 is 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 ____

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

Statistics and Scientific Computation 321: ____

Computer Science with Grades of C- or Better

CS 312 or 312H: ____

CS 314 or 314H: ____

CS 313K or 313H: ____

CS 336 or 336H: ____

CS 337 or 337H: ____

CS 353 or 357 or 357H: ____

CS 345 or 345H: ____

CS 429 or 429H: ____

CS 439 or 439H: ____

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

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

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.

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 ____.

