College of Natural Sciences / The University of Texas at Austin

2018–2020 Transfer Guide for Texas Community College Students

Part 1: Astronomy • Computer Science • Mathematics • Physics

Degree Programs Available

Bachelor of Science & Arts (BSA) – combines a science/mathematics major with either 15 hours in a single non-STEM field of study, a transcript-recognized minor in a non-STEM field of study, or a transcript-recognized certificate.

Bachelor of Science (BS) – designed for specialists who want to concentrate up to 75% of their coursework in science and mathematics, including sub-field options in some programs.

Bachelor of Arts (BA) – shares the same structure with Liberal Arts degrees, providing a traditional "Arts & Sciences" experience.

The following major/degree combinations are available (honors options generally are not open to transfer students):

- **Astronomy** – BSA, BS *(option I-Astronomy)*, BA;
- **Computer Science** – BSA, BS *(options: I-Computer Science, IV-Integrated BS/MS Program, V-Teaching)*, BA;
- **Mathematics** –BSA, BS *(options: I-Actuarial Science, V-Teaching, VII-Mathematics)*, BA *(with a Teaching option);*
- **Physics** – BSA, BS *(options: I-Physics, II-Computation, III-Radiation Physics, IV-Space Sciences, V-Teaching, VII-Biophysics)*, BA.

Prospective Natural Science transfer students are urged to become familiar with the College's curricula and rules in the *Undergraduate Catalog 2018–2020* at registrar.utexas.edu/catalogs/.

Transfer students from Texas community colleges are eligible to graduate under UT Austin catalog rules in effect during the time they attend the community college. Those declaring the 2018–2020 catalog must satisfy all degree requirements by the end of the summer session 2026, including at least sixty semester credit hours completed in residence at UT Austin.

Prospective students can monitor their UT degree progress and check degree applicability of transfer credit by using the "Planner" feature of UT's Interactive Degree Audit (IDA) system at registrar.utexas.edu/students/degrees/ida/.

External Transfer Admission in Natural Sciences

- **Admission is selective** in the College of Natural Sciences and varies each year based on the applicant pool. Meeting the following criteria does not guarantee admission, but to be competitive applicants should:
  - select a Natural Sciences major as their first-choice major;
  - have at least 30 transferable semester hours completed (or in progress to complete) when submitting the application;
  - have a GPA of at least 3.00 in mathematics and science courses (a higher GPA usually is necessary to be competitive);
  - have transfer credit for at least one course from MATH 1342, 1442, 2313, or 2413 with a grade of at least *B*–; and
  - have transfer credit with grades of at least *B*– for at least two majors-level science courses from BIOL 1306, 1307, 1406, 1407; CHEM 1311, 1312, 1411, 1412; PHYS 2325, 2326, 2425, 2426. COSC 1337 or 1437 are also countable, but only when they transfer as C S 312 or 412 credit (use UT Austin's ATE System to determine transferability). Applicants with additional mathematics and science courses, as recommended in this Guide, are more competitive.
- External transfer admission to **Computer Science** is available only in fall semesters.
- **Undeclared major** status is not open to external transfer applicants.
- For more College of Natural Sciences admission information see cns.utexas.edu/students/future/external-transfer/.

Use of Transfer Credit Toward Degrees

The Office of Admissions evaluates courses from other institutions for comparability with UT Austin coursework, but the Dean's Office in the College of Natural Sciences approves transfer credit for use in a degree program.

- Questions concerning **evaluation** of transfer credit should be directed to Office of Admissions (see admissions.utexas.edu/contact/).
- Questions concerning **degree applicability** of transfer credit should be directed to the Center for First-Year Advising (see cns.utexas.edu/advising/first-year/).

Special Notes

- **Core curriculum** transfer credit from Texas community colleges is guaranteed to apply toward the UT Austin core, but degree plans may specify how to fulfill some core requirements. Recommendations in this Guide satisfy core requirements with courses normally prescribed by a student's major field of study at UT.
- Recommended courses do not include **Skills & Experience Flag** requirements, which are intended to be satisfied by courses taken in residence at UT Austin (see ugs.utexas.edu/flags/students/).
- Courses in which **grades lower than *C*–** are earned do not transfer. Grades from transfer credit are excluded from a student's internal UT Austin grade point average computation.
- **College Algebra** (MATH 1314 or 1414) does not count toward degree requirements in the College of Natural Sciences, but grades and credit in the course count toward external transfer admission.
- **Physical education activity** courses do not count toward degree requirements in the College of Natural Sciences, but grades and credit count toward external transfer admission.

Courses Recommended for Transfer

Listed in Texas Common Course Numbers, a uniform system of field-of-study prefixes and four-digit numbers used by community colleges statewide. A course number's first digit indicates academic level (1 = freshman, 2 = sophomore) and the second digit specifies semester hour credit value.

Writing / Humanities *(core 010 & 040)*

English Composition & first (core) Writing Flag – ENGL 1301+1302.

Literature – one American, British, or world literature survey chosen from ENGL 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, or 2333.

Foreign Language

Intermediate proficiency – courses in a single language numbered 1411+1412+2311+2312 (or SGNL 1401+1402+2301+2302) for all BA degrees.

Beginning proficiency – courses in a single language numbered 1411+1412 (or SGNL 1401+1402) for Astronomy BS option I; Computer Science BS options I, IV; Physics BS options I, II, III, IV, VII.

University Basic Education Requirement – in a single language, either two years of prior high school credit (documented by an official high school transcript submitted to the Office of Admissions) or college-level courses numbered 1411+1412 (or SGNL 1401+1402) for all BSA degrees; Computer Science BS option V; Mathematics BS (all options); Physics BS option V.

History / Government *(core 060 & 070)*

United States History – two courses chosen from HIST 1301, 1302, 2301, 2327, 2328, and 2381.

Federal & Texas Government – GOVT 2305+2306.

Social & Behavioral Science *(includes core 080)*

For Mathematics BS option I: ECON 2301+2302.

For all other degrees & options: one course chosen from ANTH 2351; ECON 2301 or 2302; GEOG 1302; PSYC 2301* or 2306; SOCI 1301, 1306, or 2301; or TECA 1303. *(*Preferred for teacher certification candidates.)*

Mathematics *(includes core 020)*

Course credit varies among community colleges; the 2nd digit of numbers listed here may be 3 or 4.

For Astronomy: MATH 2413+2414+2415 and either MATH 2420 or 2421.

For Computer Science: MATH 2413+2414 in the BA and BSA; MATH 2413+2414+2415 in the BS.

For Mathematics: MATH 2413+2414 in all degrees. Additionally –
- *BSA, BS option I:* MATH 2415.
- *BS option V:* MATH 2421.
- *BS option VII:* MATH 2415 and 2421.

For Physics: MATH 2413+2414+2415 and either MATH 2420 or 2421.

Science & Technology *(includes core 030 & 093)*

Only majors-level science courses are countable toward College of Natural Sciences requirements.

Community colleges may number lecture & lab credit separately, for example CHEM 1411 can be offered as 1311+1111.

**COSC 1337 or 1437 is recommended only when transferred as C S 312 or 412; use UT Austin's ATE System to determine transferability.*

For Astronomy: PHYS 2425+2426 in all degrees. Additionally –
- *BSA:* up to twelve semester hours chosen from BIOL 1406, BIOL 1407, CHEM 1411, CHEM 1412, COSC 1337* or 1437*, GEOL 1403, or GEOL 1404.
- *BS option I:* two courses chosen from BIOL 1406, BIOL 1407, CHEM 1411, CHEM 1412, COSC 1337* or 1437*, GEOL 1403, or GEOL 1404.

For Computer Science: COSC 1337* or 1437* in all degrees. Additionally –
- *BSA:* one sequence chosen from BIOL 1406+1407, CHEM 1411+1412, or PHYS 2425+2426.
- *BS (options I, IV, V):* one sequence chosen from BIOL 1406+1407, CHEM 1411+1412, or PHYS 2425+2426. In options I and IV add one additional course in a different field of study chosen from BIOL 1406, CHEM 1411, GEOL 1403, or PHYS 2425.
- *BA:* one sequence chosen from BIOL 1406+1407, CHEM 1411+1412, or PHYS 2425+2426.

For Mathematics –
- *BSA, BA:* Part I – a two-course sequence in one discipline chosen from BIOL 1406+1407, CHEM 1411+1412, GEOL 1403+1404, PHYS 1401+1402, or PHYS 2425+2426.
  Part II – a third course in a second discipline, chosen from those listed in Part I and from COSC 1337* or 1437* or GEOL 1345 or 1445.
- *BS option V mathematics/physical science/engineering teacher certification:* CHEM 1411+1412 and PHYS 2425+2426.
- *BS (other options):* a sequence in one discipline chosen from BIOL 1406+1407, CHEM 1411+1412, GEOL 1403+1404, or PHYS 2425+2426.

For Physics: PHYS 2425+2426 in all degrees. Additionally –
- *BSA:* one course chosen from BIOL 1406, CHEM 1411, COSC 1337* or 1437*, or GEOL 1403.
- *BS options I, II, III, IV:* CHEM 1411+1412 and a sequence chosen from BIOL 1406+1407 or GEOL 1403+1404.
- *BS option V:* CHEM 1411+1412.
- *BS option VII:* CHEM 1411+1412 and BIOL 1406+1407.
- *BA:* CHEM 1411+1412.

Visual & Performing Arts *(core 050)*

One course chosen from ARCH 1301, 1302, or 1311; ARTS 1301, 1303, or 1304; COMM 1307 or 2366; DRAM 1310, 2361, 2362, or 2366; or MUSI 1306 or 1310.

This Guide is based on degree requirements published in the Undergraduate Catalog 2018–2020. *UT Austin is not responsible if a community college assigns a TCCN designation to a course substantially different than described in the Texas Higher Education Coordinating Board's* Lower-Division Academic Course Guide Manual. *Produced by the Office of Admissions in consultation with the Dean's Office of the College of Natural Sciences. Effective 28 August 2019.*