



This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science Undergraduate Advising Center for advising.

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

KEY:

Arrows indicate prerequisites.
 Arrows with dotted lines indicate co-requisites.
 Arrows with dash lines are recommended prerequisite.
 Courses taught specific semesters are indicated with the following codes:
 F-Fall S-Spring Su-Summer Session I or II
 Required WI courses: CS 2315, 3398, ENG 3303 (or 3313)
 Additional WI courses: CS 4326 – Taught only on San Marcos Campus

Core courses must be completed:

— 6 credits Core 010 TXST options: ENG 1310, ENG 1320, ENG 1321, ENG 3303
 — 3 credits Core 020 CS required course: MATH 2471
 — 6 credits Core 030 CS required course: See catalog for options
 — 3 credits Core 040 TXST options: PHIL 1305 or 1320
 — 3 credits Core 050 TXST options: ART 2313, DAN 2313, MU 2313, TH 2313
 — 6 credits Core 060 TXST options:[HIST 1310/2327/2381] and [HIST 1320/2328/2382]
 — 6 credits Core 070 TXST options: POSI 2310 & POSI 2320
 — 3 credits Core 080 TXST options: ANTH 1312, ECO 2301, ECO 2314, GEO 1310, PSY 1300, SOCI 1310, CA 2351, PFW 1301
 — 3 credits Core 091 CS required course: COMM 1310
 — 3 credits Core 092 MATH 2472

US 1100 may be required for some students. Consult with an advisor regarding course choices.

Important Reminders for Computer Science Round Rock Students

Computer Science majors must complete a total of 12 hours (3 courses with their corresponding labs). Six hours will also satisfy the natural science requirement of the general education core. In addition to satisfying the university graduation requirements students must earn grade of C or higher in all English and mathematics courses used to satisfy the requirements of the computer science major.

8 Hours of the Same Natural Science From:

<u>TCCN</u>	<u>TEXAS STATE</u>
BIOL 1306+1106 (or 1406)	BIO 1330+1130
BIOL 1307+1107 (or 1407)	BIO 1331+1131
CHEM 1311+1111	CHEM 1341+1141
CHEM 1312+1112	CHEM 1342+1142
GEOL 1403	GEOL 1410
GEOL 1404	GEOL 1420
PHYS 1301+1101 (or 1401)	PHYS 1315+1115
PHYS 1302+1102 (or 1402)	PHYS 1325+1125
PHYS 2325+2125 (or 2425)*	PHYS 2325+2125*
PHYS 2326+2126 (or 2426)	PHYS 2326+2126

*PHYS 2425 (TXST PHYS 2325+2125 or 2425) may not be combined with PHYS 1301+1101 or PHYS 1401 to satisfy core or degree requirements. A maximum of 8 hours of physics will apply to the natural science requirement for the CS major.

4 Hours of an Additional Natural Science From:

<u>TCCN</u>	<u>TEXAS STATE</u>
BIOL 1306+1106 (or 1406)	BIO 1330+1130
BIOL 1307+1107 (or 1407)	BIO 1331+1131
CHEM 1311+1111	CHEM 1341+1141
CHEM 1312+1112	CHEM 1342+1142
GEOL 1403	GEOL 1410
GEOL 1404	GEOL 1420
PHYS 1301+1101 (or 1401)	PHYS 1315+1115
PHYS 1302+1102 (or 1402)	PHYS 1325+1125
PHYS 2325+2125 (or 2425)*	PHYS 2325+2125*
PHYS 2326+2126 (or 2426)	PHYS 2326+2126

*PHYS 2425 (TXST PHYS 2325+2125 or 2425) may not be combined with PHYS 1301+1101 or PHYS 1401 to satisfy core or degree requirements. A maximum of 8 hours of physics will apply to the natural science requirement for the CS major.

A minor is required for this program. While the flowchart depicts a minor in Mathematics, students can choose from other available minor options. Not all minors can be completed online or at the Round Rock Campus.

Writing Intensive Hours:

Students are required to successfully complete 9 hours of writing intensive (WI) coursework at Texas State. Computer Science students completing their degree at Round Rock (CS RR) are guaranteed to take 6 hours of WI coursework: CS 2315 & CS 3398. If ENG 3303 or 3313 is taken, that will satisfy the remaining 3 hours of WI coursework. If ENG 3303 or 3313 is not taken, CS RR students will likely need to complete an additional WI elective via Texas State correspondence or Texas State online courses.

Off-Campus Coursework at the End of Your Degree:

Students may take no more than 6 hours off-campus in their last 30 hours (the "residency requirement"). If students take more than 6 hours off-campus in their last 30 hours, they may be required to take additional hours at Texas State. CLEP exams are considered "off-campus."

In order to avoid additional coursework at a four-year institution, CS RR should always:

- Send updated transcripts from all institutions to Texas State Admissions
- Inform advisors of any transfer coursework not posted to your Texas State record
- Complete an "Off-Campus Request Form" on the College of Science and Engineering Advising Center website *before enrolling in off-campus coursework*: <https://www.cose.txstate.edu/advising/forms.html>
- To request special permission to take more than 6 hours off-campus in your last 30 hours, fill out a "Special Request Form" *before enrolling in off-campus coursework*: <https://www.cose.txstate.edu/advising/forms.html>

An example of a violation of the residency requirement:

If a student take 8 hours of natural science at a community college within their last 30 hours

Community College Hours:

Only 72 hours from a community college can count towards the minimum hours for the degree (120 hours).

Completing more than 72 hours at a community college may result in being required to take additional coursework at Texas State or another four-year institution. In order to avoid additional coursework at a four-year institution, CS RR should always:

- Send updated transcripts from all institutions to Texas State
- Inform advisors of any transfer coursework not posted to your Texas State record
- Complete an "Off-Campus Request Form" on the College of Science and Engineering Advising Center website *before enrolling in off-campus coursework*: <https://www.cose.txstate.edu/advising/forms.html>

CHEM 1341 Prerequisite Requirements:

Must complete 1 of the following mathematics prerequisites:

- MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 - any with a grade of "C" or better
- ACT Mathematics score of 24 or better
- New ACT Mathematics score of 25 or better
- SAT Mathematics score of 550 or better
- Accuplacer College Mathematics score of 86 or better
- Compass College Algebra score of 46 or better
- Next-Generation Advanced Algebra and Functions Test of 263 or better

AND

Must complete 1 of the following to demonstrate Chemistry Readiness:

- Completion of Chemistry Readiness Exam with a score of 80 or better
- CHEM 1320 grade of "C" or better

AND

- Corequisite of CHEM 1141 with a grade of "D" or better.

CHEM 1342 Prerequisite Requirements:

- CHEM 1341 with a grade of "C" or better

AND

- Corequisite of CHEM 1142 with a grade of "D" or better.

BIO 1331 Prerequisite Requirements:

- College Readiness in English Language Arts and Reading (ELAR) according to the TSI regulations
- College Readiness in Mathematics according to the TSI regulations.
- Students must also take and pass BIO 1130

BIO 1330 Prerequisite Requirements:

- College Readiness in English Language Arts and Reading (ELAR) according to the TSI regulations.
- Students must also take and pass BIO 1131

GEOL 1410 Prerequisite Requirements:

- NONE

GEOL 1420 Prerequisite Requirements:

- GEOL 1410 with a grade of "C" or better.

PHYS 1315 Prerequisite Requirements:

- MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 - any with a grade of "C" or better
- ACT Mathematics score of 24 or better
- New ACT Mathematics score of 25 or better
- SAT Mathematics score of 550 or better
- Next-Generation Advanced Algebra and Functions Test of 263 or better

AND

- Corequisite of PHYS 1115 with a grade of "D" or better.

PHYS 1325 Prerequisite Requirements:

- PHYS 1315 or 1335 with a grade of "C" or better

AND

- Corequisite of PHYS 1125 with a grade of "D" or better.

PHYS 2325 Prerequisite Requirements:

- Corequisite of MATH 2471 with a grade of "C" or better and PHYS 2125 with a grade of "D" or better

AND

- Corequisite of PHYS 2125 with a grade of "D" or better.

PHYS 2326 Prerequisite Requirements:

- PHYS 2325 with a grade of "C" or better
- MATH 2472 with a grade of "C" or better

AND

- Corequisite of PHYS 2126 with a grade of "D" or better.