

College of Arts & Sciences

B.S. Chemistry

2010-2011 Texas Common Course Numbering System Transfer Guide



The College of Arts and Sciences expects students to have completed the Texas State recommended high school program and be ready to enroll in a mathematics course above college algebra. If you are not prepared for this level, the necessary prerequisites will either replace electives or increase the hours required for this degree.

Courses Recommended for Transfer

UNT Core: English Composition & Rhetoric

ENGL 1301; and ENGL 1302 or 2311

A grade of 'C' or better is required on courses applied toward this requirement.

UNT Core: Mathematics

This requirement will be met by fulfilling the B.S. Chemistry mathematics requirement (see next column).

UNT Core: Natural Science

This requirement will be met by fulfilling the B.S. Chemistry major requirements (see next column).

UNT Core: U.S. History

Two courses chosen from: HIST 1301, 1302, 2301, 2327, 2328, 2381

UNT Core: Political Science

Two courses chosen from one of the following combinations:

- GOVT 2301 and 2302
- GOVT 2301 and 2305
- GOVT 2305 and 2306
- GOVT 2301 and 2306
- GOVT 2302 and 2306

UNT Core: Visual & Performing Arts

One course chosen from: ARCH 1301, 1302; ARTS 1301 or 1304; COMM 2366; DRAM 1310, 2361, 2362, 2363, 2366, 2367; DANC 2303, 2304; HUMA 1315; MUSI 1306, 1307, 1308, 1309

UNT Core: Humanities

One course chosen from: ENGL 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, 2341, 2342, 2343, 2351; HUMA 1301, 1302; PHIL 1301, 2303, 2306, 2316, or 2317

UNT Core: Social & Behavioral Sciences

One course chosen from: ANTH 2346, 2351; CRIJ 1301; ECON 1301, 2301, 2302; GEOG 1302; HUMA 2323; PSYC 2301; SOCI 1301, 1306; TECA 1354

UNT Core: Understanding the Human Community

Two courses chosen from:

- Foreign Language (ARAB, CHIN, FREN, GERM, ITAL, JAPN, PORT, RUSS, SPAN): 1311/1411/1511, 1312/1412/1512, 2311,2312
- ARTS 1303
- BIOL/HECO 1322
- BIOL 1323
- COMM 1307
- DANC 1305
- DANC 1306
- GEOG1303
- HIST 2321
- HIST 2322
- HUMA 2319
- MUSI 1310
- PHIL 1304
- SOCI 2319
- SOCI 2320
- SPCH 1311
- SPCH 1315
- SPCH 1318
- SPCH 1321
- SPCH 2341
- TECA 1303
- TECA 1318

B.S. Chemistry: Major requirements

TCCNS Options:

- CHEM 1411 or 1111/1311
- CHEM 1412 or 1112/1312
- CHEM 2423 or 2123/2323 (approved substitution)
- CHEM 2425 or 2125/2325 (approved substitution)

CHEM 1411 and 1412 fulfill both Natural Science core and major requirements.

B. S. Chemistry: Other Course Requirements

- MATH 2313 or 2413 or 2513 (fulfills both Mathematics core and major requirements)
- MATH 2314 or 2414
- MATH 2315 or 2415
- MATH 2318 or 2418
- PHYS 2425 or 2125/2325
- PHYS 2426 or 2126/2326

Courses listed above are TCCNS options and do not include all courses required for the UNT Chemistry Major.

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Special Notes

Hours Required and General/College Requirements:

A minimum of 120 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor's degree as specified in the "General University Requirements" in the Academics section of this catalog and the College of Arts and Sciences requirements (excluding foreign language and natural and life sciences). The laboratory science requirement is satisfied only by physical sciences.

GPA of 2.5 on all advanced courses attempted in science and engineering courses (biochemistry, biology, chemistry, computer science, engineering, mathematics, physics).

Minor: At least 18 hours in mathematics, computer science, physics, biology or geology (if taken as a laboratory science), of which 6 must be advanced.

UNT Core Curriculum: Complies with the mandates of the 1997 Texas Legislature regarding requirements for state-assisted institutions. Individual academic programs may require courses contained in parts of the University Core Curriculum. Students who wish to take courses that will fulfill both core and major/program requirements simultaneously should check with academic advisors for assistance in selecting core courses.

Choice of Catalog: Any student transferring directly from a Texas public community college to UNT shall have the same choice of catalog designating degree requirements as the student would have had if the dates of attendance at the university had been the same as the dates of attendance at the community college.

The College of Arts & Sciences required curriculum and policies are located in the [Undergraduate Catalog 2010-2011](#).

For additional program and contact information see the College of Arts and Sciences Student Advising website:
<http://www.cas.unt.edu/advising>

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This four-year plan provides a model for on-time completion of this UNT program using as many TCNS courses as possible. The four-year plan also shows the first point when no TCNS options are available for this program. See the current [Undergraduate Catalog](#) for course prerequisites. Course availability at UNT is subject to change, and the plan shown below may change based on updates to UNT's course offerings.

UNT courses noted (#) do not have TCNS equivalents, but have approved transferable substitutions.

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
FRESHMAN	ENGL 1310 or 1313	ENGL 1301	ENGL 1320 or 1323 or TECM 2700	ENGL 1302 or 2311
	CHEM 1410/1430 or CHEM 1412#/1430 or CHEM 1413#/1430	CHEM 1411 or 1311/1111	CHEM 1420/1440 or CHEM 1422#/1440 or CHEM 1423#/1440	CHEM 1412 or 1312/1112
	MATH 1710	MATH 2313 or 2413 or 2513	MATH 1720	MATH 2314 or 2414
	UNT Core: Understanding the Human Community	See list of approved courses	UNT Core: Social & Behavioral Sciences	See list of approved courses
			UNT Core: Visual & Performing Arts	See list of approved courses

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	CHEM 2370/3210#	CHEM 2423 or 2123/2323	CHEM 2380/3220#	CHEM 2425 or 2125/2325
	UNT Core: U.S. History	See list of approved courses	UNT Core: U.S. History	See list of approved courses
	MATH 2730	MATH 2315 or 2415	Minor	Consult UNT advisor
	Elective (advanced)	None	UNT Core: Understanding the Human Community (advanced)	None
	UNT Core: Humanities	See list of approved courses		

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	CHEM 3451/3452	None	CHEM 3520/3240	None
	CHEM 3510/3230		UNT Core: Political Science	See list of approved courses
	MATH 2700	MATH 2318 or 2418	Elective (advanced)	None
	PHYS 1710/1730	PHYS 2425 or 2325/2125	Minor	Consult UNT advisor
			Minor	Consult UNT advisor

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	CHEM 4610	None	CHEM 4620	None
	CHEM (4000 level) or BIOC 4540		CHEM 4631/4632	
	PHYS 2220/2240		PHYS 2426 or 2326/2126	
	UNT Core: Political Science	See list of approved courses	Minor (advanced)	
	Minor (advanced)	None	Minor	