

# College of Arts & Sciences

## B.S. Biology

### 2016-2017 Texas Common Course Numbering System Transfer Guide



This four-year plan provides a model for on-time completion of this UNT program using as many TCCNS courses as possible. The four-year plan also shows the first point when no TCCNS 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 TCCNS equivalents, but have approved transferable substitutions.

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
FRESHMAN	BIOL 1710/BIOL 1760#	BIOL 1406 or 1306/1106*	BIOL 1720	BIOL 1407 or 1307/1107 **
	CHEM 1410/CHEM 1430	CHEM 1411 or 1311/1111	CHEM 1420/CHEM 1440	CHEM 1412 or 1312/1112
	ENGL 1310	ENGL 1301	TECM 2700	ENGL 2311
	MATH 1710	MATH 2313 or 2413 or 2513	UNT Core: CAO Category I	<a href="#">See list of approved courses</a>
<p>* If BIOL 1106 is not completed prior to transfer you will be required to take BIOL 1760 at UNT.  ** If you choose BIOL 1307/1107 and BIOL 1107 is not completed prior to transfer you will be required to take BIOL 1760 at UNT.</p>				

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SOPHOMORE	CHEM 2370/3210#	CHEM 2423 or 2323/2123	CHEM 2380/3220#	CHEM 2425 or 2325/2125
	Foreign Language 2040	Foreign Language 2311	Foreign Language 2050	Foreign Language 2312
	BIOL course (2000 level)	<a href="#">See list of approved courses</a>	UNT Core: Government/Political Science	<a href="#">See list of approved courses</a>
	UNT Core: Government/Political Science	<a href="#">See list of approved courses</a>	UNT Core: Language, Philosophy and Culture	<a href="#">See list of approved courses</a>
			Biology course (2000 level)	None

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	UNT Core: American History	<a href="#">See list of approved courses</a>	UNT Core: American History	<a href="#">See list of approved courses</a>
	PHYS 1410/1430	***PHYS 1401 or 1301/1101	PHYS 1420/1440	***PHYS 1402 or 1302/1102
	BIOL 3510/3520	None	UNT Core: Creative Arts	<a href="#">See list of approved courses</a>
	Biology (advanced, with laboratory)		UNT Core: Social and Behavioral Sciences	<a href="#">See list of approved courses</a>
			BIOL 3451/3452	None
<p>*** Additional options/approved substitutions —PHYS 2425 or 2325/2125 substitutes for PHYS 1401; PHYS 2426 or 2326/2126 substitutes for PHYS 1402</p>				

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	Physiology Course with Laboratory	None	Biology (advanced, with lab)	None
	Biology (advanced)		Biology (advanced)	
	Chemistry (advanced)		Biology (advanced)	
	Elective (advanced)		Elective (advanced)	
			Elective (advanced)	

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The College of Arts and Sciences encourages students to explore teaching at the secondary level as a career option. Students seeking secondary teacher certification should contact the Teach North Texas Program in the College of Arts and Sciences.

The College of Arts and Sciences expects students to have completed the Texas State recommended high school program and be ready to enroll in Language 2040 (TCCNS: Language 2311). 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

The UNT Core requirements, with the exception of American History and Government/Political Science, and the College & Major requirements are shown with Texas Common Course Numbering System values only when UNT offers equivalent courses. There may be other courses in transfer that apply toward the specific degree requirement, but those listed are known to apply.

##### UNT Core: Communication

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

##### UNT Core: Mathematics

This requirement will be met by fulfilling the B.S. Biology major mathematics requirement (see next page).

##### UNT Core: Life & Physical Sciences

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

##### UNT Core: American History

Two courses chosen from: HIST 1301, 1302, 2301

##### UNT Core: Government/Political Science

GOVT 2305 and 2306

##### UNT Core: Creative Arts

One course chosen from: ARTS 1301 or 1304; DRAM 1310; MUSI 1306 or 1307; SPCH 2341

##### UNT Core: Language, Philosophy and Culture

One course chosen from: ENGL 2332 or 2333; HIST 2321 or 2322; PHIL 1301, 1304, 2303, 2306, or 2316

##### UNT Core: Social & Behavioral Sciences

One course chosen from: ANTH 2346 or 2351; COMM 1307; CRIJ 1301; ECON 2301 or 2302; GEOG 1303; PSYC 2301; SOCI 1301; SOCW 2361; SPCH 1318; TECA 1354

##### UNT Core: Component Area Option Category I

One course chosen from: ARTS 1301; BIOL/HECO 1322; COMM 1307; MATH 2305 or 2405; SPCH 1311 or 1315; TECA 1303

##### UNT Core: Component Area Option Category II

This requirement will be met by fulfilling the Chemistry minor requirements (see next page).

##### College of Arts & Sciences Core: Foreign Language (Option 1)

Any foreign language 2311 and 2312.

Courses must be taken in the same language.

NOTE: Prerequisites for foreign language 2311 and 2312 courses are 1311 and 1312 or 1411 and 1412 or 1511 and 1512.

Placement exams may be available; see your community college academic advisor for details.

##### Biology: Foreign Language (Option 2)

Complete two courses from approved options at UNT. A student who wishes to fulfill the foreign language requirement by this option must first be counseled by an undergraduate advisor of the Department of Biological Sciences at UNT and must obtain written approval of Option II for B.S. Biology major for inclusion in the student's degree plan.

##### B.S. Biology: Communication

ENGL 1301 and 2311

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

*ENGL 2311 is required for Biology majors however, students who have completed ENGL 1302 prior to attending UNT may substitute this course for ENGL 2311*

##### B.S. Biology: Major Requirements

###### 1000 Level Biology Courses:

- BIOL 1406\* or 1306/1106\*\*
- BIOL 1407\* or 1307/1107\*\*

###### 2000 Level Biology Courses:

- BIOL 2421 or 2321/2121

One additional 2000 level biology course required, course options only available at UNT.

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

BIOL 1406 and 1407 fulfill both Life & Physical Sciences core and major requirements.

*Courses listed above are TCCNS options and do not include all courses required for the UNT Biology major.*

\* BIOL 1411 and 1413, if both completed prior to attending UNT, may substitute for BIOL 1406 and 1407.

\*\* Both BIOL 1106 and 1107 must be completed in order to substitute for BIOL 1760 (2hr lab) at UNT.

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#### B.S. Biology: Minor in Chemistry (Required)

Minor of 20 hours in Chemistry is required.

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

CHEM 1411 or 1412 will fulfill both CAO Category II core and program requirements.

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

#### B.S. Biology: Other Requirements

- PHYS 1401 or 1301/1101 or \*\*\*PHYS 2425 or 2325/2125
- PHYS 1402 or 1302/1102 or \*\*\*PHYS 2426 or 2326/2126
- MATH 2312, or 2412 (fulfills both Mathematics core and program requirements)
- MATH 2313 or 2413 or 2513
- A minimum 2.5 grade point average is required on all advanced courses in the division of sciences for graduation. A minimum of a 2.5 grade point average in all science/mathematics courses grade point average and a minimum 2.0 UNT and overall (UNT and transfer) grade point average is required for graduation.
- Students in the department whose overall science/mathematics grade point average or advanced sciences grade point average drops below the minimum for two consecutive semesters will be removed from the program.
- Only two attempts will be allowed for each biology and biochemistry course in this degree.

\*\*\* Approved substitution.

#### B.S. Biology: Advanced Coursework

No TCCNS options available

#### Teacher Certification Option

The College of Arts and Sciences encourages students to explore teaching at the secondary level as a career option. A higher GPA may be required for the certification option. For more information contact the College of Arts and Sciences Office of Student Advising at 940-565-2051.

#### 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 of Science degree as specified in the [General University Requirements](#) section of the UNT catalog and the College of Arts & Sciences requirements

**UNT Core Curriculum/Transfer of Core Curriculum:** UNT complies with the [mandates of the 1997 Texas Legislature](#) regarding requirements for state-assisted institutions. Students who successfully complete the common core curriculum (in whole or in part) at a Texas state-assisted institution of higher education are eligible to transfer as "core complete" for those categories in the UNT University Core Curriculum.

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 and Sciences required curriculum and policies are located in the [Undergraduate Catalog](#).

For additional program and contact information, visit the College of Arts and Sciences Student Advising website at [www.cas.unt.edu/advising](http://www.cas.unt.edu/advising).