

# College of Arts & Sciences

## B.A. Biology

### Secondary Education Certification in Life Science

#### 2015-2016 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# or 1411**	BIOL 1720	BIOL 1407 or 1307/1107# or 1413**
	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 1680 or 1710	MATH 1342/1442/2342/2442 or MATH 2313/2413/2513	UNT Core: Discovery	See list of approved courses
	TNTX 1100* (1 hr)	None	TNTX 1200* (2 hrs)	None
<p>* Students must be admitted to Teach North Texas Program prior to enrolling in certain Education courses.                      ** 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.</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 2041 & 2042	BIOL 2421 or 2321/2121	EDSE 4000*	None
	EDSE 3500*	None	PHIL 2600	
	BIOL course (2000 level)		None	UNT Core: Social and Behavioral Sciences

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
JUNIOR	BIOL 3451/3452	None	PHYS 1420/1440 or PHYS 1520#/1540#	PHYS 1402 or 1302/1102
	BIOL 3510/3520		BIOL, Physiology and Laboratory requirement (Advanced)	None
	PHYS 1410/1430 or PHYS 1510#/1530#	PHYS 1401 or 1301/1101	UNT Core: Government/Political Science	See list of approved courses
	UNT Core: American History	See list of approved courses	UNT Core: American History	See list of approved courses
	UNT Core: Government/Political Science	See list of approved courses	Elective (advanced)(2 hrs)***	None
<p>***Not needed if advanced course is taken to complete Creative Arts, Discovery, or Social &amp; Behavioral Core requirement at UNT.</p>				

YEAR	FALL SEMESTER		SPRING SEMESTER	
	UNT Requirement	TCCNS Option	UNT Requirement	TCCNS Option
SENIOR	BIOL (Advanced)	None	EDSE 4628* (Student Teaching Seminar) (1 hr)	None
	BIOL 4700		EDSE 4608* (Student Teaching I)	
	BIOC 3621 & 3622			
	EDSE 4500*		EDSE 4618* (Student Teaching II)	
	UNT Core: Creative Arts	See list of approved courses		

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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.A. Biology Communication requirement (see next column).

##### UNT Core: Mathematics

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

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

This requirement will be met by fulfilling the B.A. 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

This requirement will be met by fulfilling the Teach North Texas minor requirement (see next page).

##### 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; SPCH 1318; TECA 1354

##### UNT Core: Discovery

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

##### UNT Core: Capstone

This requirement will be met by fulfilling teacher certification requirements.

*Note: The Core Capstone courses are under review by the Texas Higher Education Coordinating Board, and are subject to change.*

##### College of Arts & Sciences Core: Foreign Language

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.

##### B.A. 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.A. Biology with Teacher Certification: Major Requirements

###### 1000 Level Biology Courses

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

All courses listed above must be completed with a grade of "C" or higher.

The BIOL courses listed above fulfill both Life & Physical Sciences core and major requirements.

\* 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.

###### 2000 Level Biology Courses

- BIOL 2401 and 2402 or 2301/2101 and 2302/2102 (only counts toward the B.A. Major in Biology; all 8 hours count as one course)
- BIOL 2421 or 2321/2121

Additional 2000 level biology course options available at UNT.

The courses listed above must be completed with a grade of "C" or higher.

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#### B.A. Biology with Teacher Certification: Major Requirements (continued)

##### Advanced Biology Courses

No TCCNS options available

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

#### B.A. Biology: Other Course Requirements

- PHYS 1401 or 1301/1101
- PHYS 1402 or 1302/1102
- MATH 1342, 1442, 2342, 2442, 2313, 2413, or 2513 (fulfills both Mathematics core and program requirements)(C or higher)
- CHEM 1411 or 1311/1111 (C or higher)
- CHEM 1412 or 1312/1112 (C or higher)
- CHEM 2423 or 2323/2123 (approved substitution)(C or higher)
- CHEM 2425 or 2325/2125 (approved substitution)

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 cumulative UNT grade point average and 2.5 cumulative overall grade point average are required for graduation.

Students in the department whose UNT or overall grade point average drop below 2.5 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.

CHEM and PHYS courses fulfill both Life & Physical Sciences core and program requirements.

#### Teach North Texas Program: Minor requirements

Students must complete the required 22 hours for the minor in mathematics and science secondary teaching and meet all GPA requirements to apply for state certification. Students should contact the Teach North Texas program for more information on enrolling in the certification courses. No TCCNS options available for Teach North Texas requirements.

A 2.5 GPA is required on all courses counting toward the Teach North Texas Minor, see current UNT Undergraduate Catalog for all minor requirements.

PHIL 2600 available only at UNT is required for the Teach North Texas Program and will also fulfill the UNT Core Language, Philosophy and Culture requirement.

#### Teacher Certification Information

To be certified to teach in the State of Texas, the student must successfully pass the following exams:

Exam #1 TExES: Pedagogy & Professional Responsibilities (EC-12)

Exam #2 TExES: Life Science (composite)(7-12)

Additional requirements for Teacher Certification in Biology include a 2.5 overall GPA (including all transferred courses), a 2.5 UNT GPA and a 2.5 major GPA.

#### 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 Arts 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 2015-2016](#).

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