### College of Science

**B.A. Biology**

**Secondary Education Certification in Life Science (7-12)**

**2017-2018 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](http://registrar.unt.edu) 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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>BIOL 1710/BIOL 1760#</td>
<td>BIOL 1406 or 1306/1106*** or 1411**</td>
</tr>
<tr>
<td></td>
<td>CHEM 1410/CHEM 1430</td>
<td>CHEM 1411 or 1311/1111</td>
</tr>
<tr>
<td></td>
<td>ENGL 1310</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td></td>
<td>MATH 1680 or 1710</td>
<td>MATH 1342/1442/2342/2442 or MATH 2313/2413/2513</td>
</tr>
<tr>
<td></td>
<td>TNTX 1100* (1 hr)</td>
<td>None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sophomore</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>CHEM 2370/3210#</td>
<td>CHEM 2423 or 2323/2123</td>
</tr>
<tr>
<td></td>
<td>Foreign Language 2040</td>
<td>Foreign Language 2311</td>
</tr>
<tr>
<td></td>
<td>BIOL 2041 &amp; 2042</td>
<td>BIOL 2421 or 2321/2121</td>
</tr>
<tr>
<td></td>
<td>EDCI 3500*</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>BIOL course (2000 level)</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- **PHIL 2600 (counts as Language, Philosophy & Culture)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Junior</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>BIOL 3451/3452</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>BIOC 3621 &amp; 3622</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNT Core: American History</td>
<td>See list of approved courses</td>
</tr>
<tr>
<td></td>
<td>PSCI 2305</td>
<td>GOVT 2305</td>
</tr>
<tr>
<td></td>
<td>PHYS 1410/1430 or PHYS 1510/#/1530#</td>
<td>PHYS 1401 or 1301/1101***</td>
</tr>
</tbody>
</table>

**Notes:**
- **Additional options/approved substitutions—PHYS 2425 or 2325/2125 substitutes for PHYS 1401; PHYS 2426 or 2326/2126 substitutes for PHYS 1402**

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Senior</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>BIOL (advanced)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOL 4700</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOL 3510/3520</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EDCI 4500*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNT Core: Creative Arts</td>
<td>See list of approved courses</td>
</tr>
</tbody>
</table>

**Notes:**
- * Students must be admitted to Teach North Texas Program prior to enrolling in certain Education courses.
Courses Recommended for Transfer

The UNT Core requirements, with the exception of American History 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 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; 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; 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 B.A. Biology program requirements (see next page).

**College of Science 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

**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 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.
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
- PHYS 2425 or 2325/2125 (approved substitution)
- PHYS 2426 or 2326/2126 (approved substitution)
- 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 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.

CHEM courses fulfill CAO Category II 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 2.75 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 Science 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 Science required curriculum and policies are located in the Undergraduate Catalog.

For additional program and contact information, visit the College of Science Student Advising website at www.cos.unt.edu/advising.