Courses Recommended for Transfer

**UNT Core: English Composition & Rhetoric**
This requirement will be met by fulfilling the B.A. Biology English Composition & Rhetoric requirement (see next column).

**UNT Core: Mathematics**
This requirement will be met by fulfilling the B.A. Biology major mathematics requirement (see page two).

**UNT Core: Natural Science**
This requirement will be met by fulfilling the B.A. Biology major requirements (see page two).

**UNT Core: U.S. History**
Two courses chosen from: HIST 1301, 1302, 2301

**UNT Core: Political Science**
Two courses chosen from one of the following combinations:
- GOVT 2301 and 2302
- GOVT 2301 and 2305
- GOVT 2301 and 2306
- GOVT 2302 and 2306
- GOVT 2305 and 2306

**UNT Core: Visual & Performing Arts**
One course chosen from: ARTS 1301, 1303, or 1304; DRAM 1310; MUSI 1306 or 1307; SPCH 2341

**UNT Core: Humanities**
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; HUMA 2323; PSYC 2301; SOCI 1301; SPCH 1318; TECA 1354

**UNT Core: Discovery**
One course chosen from: ARTS 1301; BIOL/HECO 1322; GEOG 1303; HIST 2321 or 2322; PHIL 1301, 2303, or 2306; SPCH 1311 or 1315; TECA 1303

**UNT Core: Capstone**
This requirement will be met by fulfilling teacher certification requirements.

**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: Admission to the Major**
To be admitted to a Bachelor of Arts major in Biology program, the student must have:
- completed at least 30 hours of college-level course work
- Biology Core Courses: BIOL 1406 or 1106/1306, BIOL 1407 or 1107/1307, BIOL 2421 or BIOL 2121/2321 and one selection from 2140 (UNT only), 2241 (UNT only), 2251 (UNT only), all with a grade of C or higher
- Chemistry Core Courses: CHEM 1411 or 1111/1311, CHEM 1412 or 1112/1312, and CHEM 2423 or 2123/2323 (approved substitution) with a grade of C or higher
- completed MATH 2312 or 2412 or MATH 1342 or 1442 or 2342 with a grade of C or better
- earned at least a 2.5 grade point average on the required biology and chemistry courses listed above and earned a minimum 2.5 overall grade point average
- a minimum UNT 2.5 grade point average and an overall 2.5 grade point average are required to enter the department as a pre-major or major (beginning freshmen are exempt).

**B.A. Biology: English Composition & Rhetoric**
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

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B.A. Biology with Teacher Certification: Major Requirements

- BIOL 1406 or 1106/1306
- BIOL 1407 or 1107/1307
- BIOL 2421 or 2321/2121

The BIOL courses listed above fulfill both Natural Science core and major requirements.

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

B.A. Biology: Advanced Coursework

No TCCNS options available.

B.A. Biology: Other Course Requirements

TCCNS Options:

- PHYS 1401 or 1101/1301
- PHYS 1402 or 1102/1302
- MATH 1342 or 1442 or 2313 or 2413 or 2513 (fulfills both Mathematics core and program requirements)
- CHEM 1411 or 1111/1311
- CHEM 1412 or 1112/1312
- CHEM 2423 or 2123/2323 (approved substitution)
- CHEM 2425 or 2125/2325 (approved substitution)
- A minimum 2.5 grade point average must be maintained on all advanced courses in the division of sciences. A minimum of a 2.5 overall grade point average is 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 Natural Science core and program requirements.

Teach North Texas Program: Minor requirements

Students must complete the required 21 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 Humanities requirement.

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## College of Arts & Sciences
### B.A. Biology
#### Secondary Education Certification in Life Science
2012-2013 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-by-Year Plan

#### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>BIOL 1710/BIOL 1730</td>
<td>BIOL 1406 or 1106/1306</td>
<td>BIOI 1720/BIOL 1740</td>
<td>BIOI 1407 or 1107/1307</td>
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<td>CHEM 1410/CHEM 1430</td>
<td>CHEM 1411 or 1111/1311</td>
<td>CHEM 1420/CHEM 1440</td>
<td>CHEM 1412 or 1112/1312</td>
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<td>ENGL 1310</td>
<td>ENGL 1301</td>
<td>TECM 2700</td>
<td>ENGL 2311</td>
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<td>MATH 1680 or MATH 1710</td>
<td>MATH 1342 or 1442 or MATH 2313 or 2413 or 2513</td>
<td>UNT Core: Discovery</td>
<td>See list of approved courses</td>
</tr>
<tr>
<td></td>
<td>TTXN 1100* (1 hr)</td>
<td>None</td>
<td>TTXN 1200* (1 hr)</td>
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</tr>
</tbody>
</table>

*Students must be admitted to Teach North Texas Program prior to enrolling in certain Education courses.*

#### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CHEM 2370/3210#</td>
<td>CHEM 2423 or 2123/2323</td>
<td>CHEM 2380/3220#</td>
<td>CHEM 2425 or 2125/2325</td>
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<td>Foreign Language 2040</td>
<td>Foreign Language 2311</td>
<td>Foreign Language 2050</td>
<td>Foreign Language 2312</td>
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<tr>
<td></td>
<td>BIOL 2041 &amp; 2042</td>
<td>BIOL 2421 or 2121/2321</td>
<td>EDSE 4000*</td>
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<tr>
<td></td>
<td>EDSE 3500*</td>
<td>None</td>
<td>PHIL 2600</td>
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<tr>
<td></td>
<td>BIOL course (2000 level)</td>
<td>None</td>
<td>UNT Core: Social and Behavioral Sciences</td>
<td>See list of approved courses</td>
</tr>
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</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>BIOL 3451/3452</td>
<td>None</td>
<td>PHYS 1420/1440 or PHYS 1520# 1540#</td>
<td>PHYS 1402 or 1102/1302</td>
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<tr>
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<td>BIOL 3510/3520</td>
<td>None</td>
<td>BIOL, Physiology and Laboratory requirement</td>
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<tr>
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<td>PHYS 1410/1430 or PHYS 1510# 1530#</td>
<td>PHYS 1401 or 1101/1301</td>
<td>UNT Core: Political Science</td>
<td>See list of approved courses</td>
</tr>
<tr>
<td></td>
<td>UNT Core: U.S. History</td>
<td>See list of approved courses</td>
<td>UNT Core: U.S. History</td>
<td>See list of approved courses</td>
</tr>
<tr>
<td></td>
<td>UNT Core: Political Science</td>
<td>See list of approved courses</td>
<td>Elective (advanced)</td>
<td>None</td>
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</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
<th>UNT Requirement</th>
<th>TCCNS Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>BIOL (Advanced)</td>
<td>None</td>
<td>EDSE 4628* (Student Teaching Seminar) (1 hr)</td>
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<tr>
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<td>BIOL 4700</td>
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<td>EDSE 4608* (Student Teaching I)</td>
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<tr>
<td></td>
<td>BIOC 3621 &amp; 3622</td>
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<td>EDSE 4618* (Student Teaching II)</td>
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<td>EDSE 4500*</td>
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<td>None</td>
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<tr>
<td></td>
<td>UNT Core: Visual and Performing Arts</td>
<td>See list of approved courses</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

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Last Revised: July 25, 2012