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 to.

**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 column).

**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**
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; 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: Communication**
This requirement will be met by fulfilling the B.A. Biology Communication requirement (see next column).

**UNT Core: Capstone**
This requirement will be met by fulfilling the B.A. Biology major 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.

**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: Major Requirements**
- BIOL 1406* or 1106/1306
- BIOL 1407* or 1107/1307
- BIOL 2401 or 2101/2301
- BIOL 2402 or 2102/2302
- BIOL 2421 or 2321/2121

The 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.

*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.*

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Last Revised: July 15, 2014
B.A. Biology: Advanced Coursework

No TCCNS options available

B.A. Biology: Other Course Requirements

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

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 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 2014-2015.

For additional program and contact information, see the College of Arts and Sciences Student Advising website: www.cas.unt.edu/advising
## College of Arts & Sciences

**B.A. Biology**

**2014-2015 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.

### Freshman Year

<table>
<thead>
<tr>
<th><strong>FALL SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
<th><strong>SPRING SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>BIOL 1710/BIOL 1730</td>
<td>BIOL 1406 or 1106/1306 or 1411*</td>
<td>BIOL 1720/BIOL 1740</td>
<td>BIOL 1407 or 1107/1307 or 1413*</td>
</tr>
<tr>
<td>CHEM 1410/1430</td>
<td>CHEM 1411 or 1111/1311</td>
<td>CHEM 1420/1440</td>
<td>CHEM 1412 or 1112/1312</td>
</tr>
<tr>
<td>ENGL 1310</td>
<td>ENGL 1301</td>
<td>TECM 2700</td>
<td>ENGL 2311</td>
</tr>
<tr>
<td>MATH 1680 or MATH 1710</td>
<td>MATH 1342/1442/2342/2442 or MATH 2313/2413/2513</td>
<td>UNT Core: Discovery</td>
<td>See list of approved courses</td>
</tr>
</tbody>
</table>

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

### Sophomore Year

<table>
<thead>
<tr>
<th><strong>FALL SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
<th><strong>SPRING SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>CHEM 2370/2310#</td>
<td>CHEM 2423 or 2123/2323</td>
<td>CHEM 2380/3220#</td>
<td>CHEM 2425 or 2125/2325</td>
</tr>
<tr>
<td>Foreign Language 2040</td>
<td>Foreign Language 2311</td>
<td>Foreign Language 2050</td>
<td>Foreign Language 2312</td>
</tr>
<tr>
<td>BIOL (2000 level)</td>
<td>See list of approved courses</td>
<td>UNT Core: Government/Political Science</td>
<td>See list of approved courses</td>
</tr>
<tr>
<td>UNT Core: Government/Political Science</td>
<td>See list of approved courses</td>
<td>BIOL (2000 level)</td>
<td>None</td>
</tr>
<tr>
<td>Elective</td>
<td>Consult UNT advisor</td>
<td>UNT Core: Language, Philosophy and Culture</td>
<td>See list of approved courses</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th><strong>FALL SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
<th><strong>SPRING SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>BIOL 3451/3452</td>
<td>None</td>
<td>PHYS 1420/1440 or PHYS 1520/#/1540#</td>
<td>PHYS 1402 or 1102/1302</td>
</tr>
<tr>
<td>BIOL 3510/3520</td>
<td>None</td>
<td>BIOL, Physiology and Laboratory requirement (Advanced)</td>
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</tr>
<tr>
<td>PHYS 1410/1430 or PHYS 1510/#/1530#</td>
<td>PHYS 1401 or 1101/1301</td>
<td>UNT Core: Creative Arts</td>
<td>See list of approved courses</td>
</tr>
<tr>
<td>UNT Core: American History</td>
<td>See list of approved courses</td>
<td>UNT Core: American History</td>
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</table>

### Senior Year

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<thead>
<tr>
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<th><strong>SPRING SEMESTER</strong></th>
<th><strong>TCCNS Option</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNT Requirement</strong></td>
<td><strong>UNT Requirement</strong></td>
<td><strong>TCCNS Option</strong></td>
<td><strong>TCCNS Option</strong></td>
</tr>
<tr>
<td>BIOL Elective (Advanced)</td>
<td>None</td>
<td>BIOL Elective (Advanced)</td>
<td>None</td>
</tr>
<tr>
<td>CHEM (Advanced)</td>
<td>None</td>
<td>Biology Capstone (advanced)</td>
<td>None</td>
</tr>
<tr>
<td>Elective (Advanced)</td>
<td>Elective (4 hrs)(Advanced)</td>
<td>Elective (Advanced)</td>
<td>None</td>
</tr>
<tr>
<td>Elective (Advanced)</td>
<td>Elective (Advanced)</td>
<td>Elective (Advanced)</td>
<td>None</td>
</tr>
<tr>
<td>UNT Core: Social and Behavioral Sciences</td>
<td>See list of approved courses</td>
<td>Elective (Advanced)</td>
<td>None</td>
</tr>
</tbody>
</table>

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Last Revised: July 15, 2014