### College of Science
**B.S. Biology**
2020-2021 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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>FRESHMAN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 1710/1760#</td>
<td>BIOL 1406 or 1306/1106*</td>
<td>BIOL 1720</td>
</tr>
<tr>
<td>CHEM 1410/1430</td>
<td>CHEM 1411 or 1311/1111</td>
<td>CHEM 1420/1440</td>
</tr>
<tr>
<td>MATH 1650</td>
<td>MATH 2312 or 2412</td>
<td>MATH 1710</td>
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</tbody>
</table>

* You will be required to take BIOL 1760 at UNT unless, prior to transfer, you have completed both BIOL 1106 and 1107 OR both BIOL 1406 and 1407.

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<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>SOPHOMORE</td>
<td></td>
<td></td>
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<tr>
<td>CHEM 2370/3210#</td>
<td>CHEM 2423 or 2323/2123</td>
<td>CHEM 2380/3220#</td>
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<tr>
<td>PHYS 1410/1430 or 1510#/1530#</td>
<td>PHYS 1401 or 1301/1101 or 2425 or 2325/2125</td>
<td>PHYS 1420/1440 or 1520#/1540#</td>
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<tr>
<td>BIOL course (2000 level)</td>
<td>See list of approved courses</td>
<td>UNT Core: Language, Philosophy and Culture</td>
</tr>
<tr>
<td>TECM 2700</td>
<td>ENGL 2311</td>
<td>BIOL course (2000 level)</td>
</tr>
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<tr>
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<td>TCCNS Option</td>
</tr>
<tr>
<td>JUNIOR</td>
<td></td>
<td></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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<tr>
<td>Elective</td>
<td>Consult UNT advisor</td>
<td>Advanced CHEM Elective or Elective</td>
</tr>
<tr>
<td>BIOL 3451/3452</td>
<td>None</td>
<td>Elective</td>
</tr>
<tr>
<td>Advanced CHEM Elective</td>
<td></td>
<td>Advanced BIOL w/ Lab</td>
</tr>
<tr>
<td>UNT Core: Creative Arts</td>
<td>See list of approved courses</td>
<td>BIOL 3510/3520</td>
</tr>
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<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>SENIOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Physiology w/ Lab</td>
<td>None</td>
<td>Advanced BIOL w/ Lab</td>
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<tr>
<td>Advanced BIOL Elective</td>
<td></td>
<td>Advanced BIOL Elective</td>
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<tr>
<td>Elective (advanced)</td>
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<td>Advanced BIOL Elective</td>
</tr>
<tr>
<td>UNT Core: Social and Behavioral Sciences</td>
<td>See list of approved courses</td>
<td>Elective</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>GOVT 2305</td>
<td>PSCI 2306</td>
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http://registrar.unt.edu/transfer-guides

Last Revised: September 28, 2020
Students may not declare a major within the College of Science until they have completed MATH 1100 (MATH 1314 or 1414) or 1180 (MATH 1324) or have demonstrated proficiency through a math placement exam. Applicants who do not meet the math proficiency requirement will be provisionally admitted as Pre-College of Science (PCOS). PCOS students may visit the College of Science Advising Center for assistance.

The College of Science 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 Science.

Courses Recommended for Transfer

The UNT Core requirements are shown with Texas Common Course Numbering System options 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**

ENGL 1301 and 2311

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

*ENGL 2311 is a required course for the B.S. in Biology (see next column).*

**UNT Core: Mathematics**

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

**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; SPCH 2341

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

One course chosen from: ARTS 1303; 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; CRJ 1301; ECON 2301 or 2302; GEOG 1303; PSYC 2301; SOC 1301; SOCI 2361; SPCH 1318; TECA 1354

**UNT Core: Component Area Option**

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

**B.S. Biology: Foundation Requirements**

Students must have a grade of C or better and a minimum 2.5 grade point average in all Foundation courses before enrolling in advanced courses required for the major.

**1000 Level Biology Courses:**

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

*You will be required to take BIOL 1760 at UNT unless, prior to transfer, you have completed both BIOL 1106 and 1107 OR BIOL 1406 and 1407.

**2000 Level Biology Course:**

- BIOL 2421 or 2321/2121

Additional 2000 level biology course options available at UNT.

**Chemistry Courses:**

- CHEM 1411 or 1311/1111
- CHEM 1412 or 1312/1112
- CHEM 2423 or 2323/2123 (approved substitution)

**Mathematics Course:**

- MATH 2312 or 2412

BIOL 1406, BIOL 1407, CHEM 1411, and CHEM 1412 also fulfill the Life & Physical Sciences and the Component Area Option core requirements.

MATH 2312 also fulfills the Mathematics core requirement.

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

**B.S. Biology: Major Requirements**

Students must have a grade of C or better in all courses in this requirement.

**Additional 2000 Level Biology Course:**

- BIOL 2421 or 2321/2121

Additional 2000 level biology course options available at UNT.

**Advanced Biology Courses:**

No TCCNS options available

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

2020-2021 Texas Common Course Numbering System Transfer Guide

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

Completion of the Chemistry in the Foundation, plus:

- ENGL 2311 (also fulfills part of the Communications core requirement) ("C" or better required)
- CHEM 2425 or 2325/2125 (approved substitution) ("C" or better required)

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

B.S. Biology: Additional Course Requirements

- ENGL 2311 (also fulfills part of the Communications core requirement) ("C" or better required)
- PHYS 1401 or 1301/1101 or 2425 or 2325/2125 (approved substitution)
- PHYS 1402 or 1302/1102 or 2426 or 2326/2126 (approved substitution)
- MATH 2313 or 2413 or 2513
- A minimum 2.5 grade point average and a C or better in Foundation courses, a C or better in all Biology and Chemistry courses counting toward major requirements, and a minimum 2.0 UNT and overall (UNT and transfer) grade point average is required for graduation.
- Students in the department whose Foundation or overall grade point average drop below the minimum GPA 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.

Teacher Certification Option

The College of Science 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 your advisor.

Special Notes

Hours Required and General/College Requirements: A minimum of 120 semester hours, of which 36 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 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 Advising Center website at www.cos.unt.edu/advising.

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