## College of Science
### B.S. Biology
#### Secondary Education Certification in Life Science (7-12)
#### 2021-2022 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/transfer-guides) 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 2021-2022

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td>UNT Requirement</td>
<td>TCCNS Option</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>
</tr>
<tr>
<td>TNTX 1100*</td>
<td>None</td>
<td>TNTX 1200*</td>
</tr>
<tr>
<td>ENGL 1310</td>
<td>ENGL 1301</td>
<td>TECM 2700</td>
</tr>
<tr>
<td><strong>Sophomore</strong></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>CHEM 2370/3210#</td>
<td>CHEM 2423 or 2323/2123</td>
<td>CHEM 2380/3220#</td>
</tr>
<tr>
<td>UNT Core: American History</td>
<td>See list of approved courses</td>
<td>UNT Core: American History</td>
</tr>
<tr>
<td>BIOL 2041/2042</td>
<td>BIOL 2421 or 2321/2121</td>
<td>UNT Core: Social and Behavioral Sciences</td>
</tr>
<tr>
<td>EDCI 4060</td>
<td>None</td>
<td>Biology course (2000 level)</td>
</tr>
<tr>
<td>PHYS 1510#/1530#</td>
<td>PHYS 2425 or 2325/2125</td>
<td>PHYS 1520#/1540#</td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>GOVT 2305</td>
<td>PSCI 2306</td>
</tr>
<tr>
<td>EDCI 3500*</td>
<td>None</td>
<td>EDCI 4000*</td>
</tr>
<tr>
<td>BIOL 3451/3452</td>
<td>None</td>
<td>Advanced BIOL Elective</td>
</tr>
<tr>
<td>Advanced Physiology w/ Lab</td>
<td>None</td>
<td>BIOL 3510/3520</td>
</tr>
<tr>
<td>UNT Core: Language, Philosophy and Culture</td>
<td>See list of approved courses</td>
<td>Advanced BIOL Elective</td>
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<tr>
<td><strong>Senior</strong></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>Advanced BIOL Elective</td>
<td>None</td>
<td>EDCI 4608* (Student Teaching I)</td>
</tr>
<tr>
<td>EDCI 4500*</td>
<td>None</td>
<td>EDCI 4618* (Student Teaching II)</td>
</tr>
<tr>
<td>BIOL 3621/3622</td>
<td>None</td>
<td>EDCI 4628* (Student Teaching Seminar)</td>
</tr>
<tr>
<td>BIOL 4700</td>
<td>UNT Core: Creative Arts</td>
<td>UNT Core: Creative Arts</td>
</tr>
</tbody>
</table>

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

** 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.

[http://registrar.unt.edu/transfer-guides](http://registrar.unt.edu/transfer-guides)  
Last Revised: September 17, 2021
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) with a 'C' or better, 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.

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 page).*

**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 or 1307; SPCH 2341

**UNT Core: Language, Philosophy and Culture**
- One course chosen from: ARTS 1303; ENGL 2332, 2333 2321, 2326, 2331, 2341, or 2351 ; 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 or 2330; SOCI 1301; SOCW 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 with Teacher Certification: 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 both BIOL 1406 and 1407.

**2000 Level Biology Course:**
- BIOL 2421 or 2321/2121

**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 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.

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[http://registrar.unt.edu/transfer-guides](http://registrar.unt.edu/transfer-guides)  
Last Revised: September 17, 2021
### B.S. Biology with Teacher Certification: 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 with Teacher Certification: Minor in Chemistry (Required)

Completion of the Chemistry in the Foundation, plus:
- 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 with Teacher Certification: Additional Course Requirements

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

### Teach North Texas Program: Minor Required

Students in this degree plan must go through the Teach North Texas Program. This program requires 22 hours for a 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 Mathematics and Science Secondary Teaching minor, see current UNT undergraduate catalog for all minor requirements.

### 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 36 must be advanced, and fulfillment of degree requirements for the Bachelor of Science degree as specified in the [General University Requirements](http://registrar.unt.edu/transfer-guides) 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](http://registrar.unt.edu/transfer-guides).

For additional program and contact information, visit the College of Science Advising Center website at [www.cos.unt.edu/advising](http://registrar.unt.edu/transfer-guides).