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 a TCCNS equivalents, but have approved transferable substitutions.

### College of Science

#### B.A. Chemistry

##### 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 a 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>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>ENGL 1310</td>
<td>ENGL 1301</td>
<td>TECM 2700 or ENGL 1320</td>
</tr>
<tr>
<td>CHEM 1410/1430</td>
<td>CHEM 1411 or 1311/1111</td>
<td>CHEM 1420/1440</td>
</tr>
<tr>
<td>COS Core: Breadth Requirement or LANG 2040</td>
<td>Consult UNT advisor</td>
<td>COS Core: Breadth Requirement or LANG 2050</td>
</tr>
<tr>
<td>MATH 1710</td>
<td>MATH 2313 or 2413 or 2513</td>
<td>MATH 1720</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>PHYS 1410/1430 or 1510#/1530# or 1710/1730</td>
<td>PHYS 1401 or 1301/1101 or 2425 or 2325/2125</td>
<td>PHYS 1420/1440 or 1520#/1540# or 2220/2240</td>
</tr>
<tr>
<td>UNT Core: Language, Philosophy and Culture</td>
<td>See list of approved courses</td>
<td>Elective</td>
</tr>
<tr>
<td><strong>JUNIOR</strong></td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td>CHEM 3451/3452</td>
<td>None</td>
<td>Physical Chemistry Option or CHEM (advanced)</td>
</tr>
<tr>
<td>Advanced Physical Chemistry Option</td>
<td></td>
<td>PSCI 2306</td>
</tr>
<tr>
<td>PSCI 2305</td>
<td>GOVT 2305</td>
<td>Elective</td>
</tr>
<tr>
<td>UNT Core: Social &amp; Behavioral Sciences</td>
<td>See list of approved courses</td>
<td>Elective (advanced)</td>
</tr>
<tr>
<td>Elective</td>
<td>Consult UNT advisor</td>
<td>Elective (advanced)</td>
</tr>
</tbody>
</table>

### Links

- [http://registrar.unt.edu/transfer-guides](http://registrar.unt.edu/transfer-guides)
- Last Revised: September 17, 2020
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 to.

**UNT Core: Communication**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301 and 1302 or 2311</td>
<td>A grade of 'C' or better is required on courses applied toward this requirement.</td>
</tr>
</tbody>
</table>

**UNT Core: Mathematics**

This requirement will be met by fulfilling the B.A. Chemistry major mathematics requirement (see next page).

**UNT Core: Life & Physical Sciences**

This requirement will be met by fulfilling the B.A. Chemistry 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; CRIJ 1301; ECON 2301 or 2302; GEOG 1303; PSYC 2301; SOCI 1301; SOCW 2361; SPCH 1318; TECA 1354

**UNT Core: Component Area Option**

This requirement will be met by fulfilling the B.A. Chemistry major requirements (see next page).

**B.A. Chemistry: Major requirements**

- CHEM 1411 or 1311/1111
- CHEM 1412 or 1312/1112
- CHEM 2423 or 2323/2123 (approved substitution)
- CHEM 2425 or 2325/2125 (approved substitution)

CHEM 1411 and 1412 also fulfill the Life & Physical Sciences core requirement.

**Advanced Chemistry Courses**

No TCCNS options available

Courses listed above are TCCNS options and do not include all courses required for the UNT B.A. Chemistry major.
**B.A. Chemistry: Additional Course Requirements**

- MATH 2313 or 2413 or 2513 (also fulfills the Mathematics core requirement)
- MATH 2314 or 2414
- PHYS 1401 or 1301/1101 and PHYS 1402 or 1302/1102, or PHYS 2425 or 2325/2125 and PHYS 2426 or 2326/2126 (also fulfills the Component Area Option core requirement)

*Courses listed above are TCCNS options and do not include all courses required for the UNT B.A. Chemistry Major.*

**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.

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**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 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](http://registrar.unt.edu/transfer-guides) under the corresponding catalog year.

For additional program and contact information, see the College of Science Advising Center website: [www.cos.unt.edu/advising](http://www.cos.unt.edu/advising)