College of Arts & Sciences

B.A. Chemistry, Secondary Education Certification in Chemistry Grades (8-12)

2010-2011 Texas Common Course Numbering System Transfer Guide

- 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 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) or a mathematics course above college algebra. 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

**UNT Core: English Composition & Rhetoric**
ENGL 1301; and ENGL 1302 or 2311
A grade of 'C' or better is required on courses applied toward this requirement.

**UNT Core: Mathematics**
This requirement will be met by fulfilling the B.A. Chemistry major mathematics requirement (see next column).

**UNT Core: Natural Science**
This requirement will be met by fulfilling the B.A. Chemistry major requirements (see next column).

**UNT Core: U.S. History**
Two courses chosen from: HIST 1301, 1302, 2301, 2327, 2328, 2381

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

**UNT Core: Visual & Performing Arts**
One course chosen from: ARCH 1301, 1302; ARTS 1301 or 1304; COMM 2366; DRAM 1310, 2361, 2362, 2363, 2366, 2367; DANC 2303, 2304; HUMA 1315; MUSI 1306, 1307, 1308, 1309

**UNT Core: Humanities**
One course chosen from: ENGL 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, 2341, 2342, 2343, 2351; HUMA 1301, 1302; PHIL 1301, 2303, 2306, 2306, or 2317

**UNT Core: Social & Behavioral Sciences**
One course chosen from: ANTH 2346, 2351; CRJ 1301; ECON 1301, 2301, 2302; GEOG 1302; HUMA 2323; PSYC 2301; SOCI 1301, 1306; TECA 1354

**UNT Core: Understanding the Human Community**
This requirement will be met by fulfilling College of Arts and Sciences foreign language requirement (see next column).

**College of Arts & Sciences Core: Foreign Language**
Any foreign language 2311 and 2312.
This also satisfies the university core Understanding the Human Community Requirement.

**B.A. Chemistry: Major requirements**
TCCNS Options:
- CHEM 1411 or 1311/1111
- CHEM 1412 or 1312/1112
- CHEM 2423 or 2123/2323 (approved substitution)
- CHEM 2425 or 2125/2325 (approved substitution)

**B.A. Chemistry: Other Course Requirements**
TCCNS Options:
- MATH 2313 or 2413 or 2513 (fulfills both Mathematics core and program requirements)
- MATH 2314 or 2414
- PHYS 1401 or 1301/1101 and PHYS 1402 or 1302/1102, or PHYS 2425 or 2325/2325 and PHYS 2426 or 2326/2326
- One course from the Natural/Life Sciences
  - ANTH 2401
  - BIOL 2406 or 2106/2306
  - BIOL 1406 or 1106/1306
  - BIOL 1407 or 1107/1307
  - BIOL 1408 or 1108/1308
  - BIOL 1409 or 1109/1309
  - BIOL 1411 or 1111/1311
  - BIOL 1412 or 1112/1312
  - BIOL 1413 or 1113/1313
  - BIOL 1424 or 1124/1324
  - BIOL 2401 or 2101/2301
  - BIOL 2402 or 2102/2302
  - GEOL 1401 or 1101/1301
  - GEOL 1402 or 1102/1302
  - GEOL 1403 or 1103/1303
  - GEOL 1404 or 1104/1304
  - GEOL 2401 or 2101/2301
  - GEOL 2402 or 2102/2302
  - ENVR 1401 or 1101/1301
  - ENVR 1402 or 1102/1302
  - GEOL 1405 or 1105/1305
  - GEOL 2405 or 2105/2305

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

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B.A. Chemistry: Advanced Coursework
No TCCNS options available

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.

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 (Grades 8-12)
Exam #2 TExES: Chemistry

Additional requirements for Teacher Certification in Chemistry 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 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree as specified in the "General University Requirements" in the Academics section of the UNT catalog and the College of Arts & Sciences requirements.

A GPA of 2.5 on all advanced courses attempted in science and engineering courses (biochemistry, biology, chemistry, computer science, engineering, mathematics, physics) is required.

UNT Core Curriculum: Complies with the mandates of the 1997 Texas Legislature regarding requirements for state-assisted institutions. 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 & Sciences required curriculum and policies are located in the Undergraduate Catalog 2010-2011.

For additional program and contact information see the College of Arts and Sciences Student Advising website: http://www.cas.unt.edu/advising
### B.A. Chemistry, Secondary Education Certification in Chemistry Grades (8-12)

#### 2010-2011 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>
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<tbody>
<tr>
<td>Freshman</td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>ENGL 1310 or ENGL 1313#</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td></td>
<td>CHEM 1410/1430 or CHEM 1412#/1430 or CHEM 1413#/1430</td>
<td>CHEM 1411 or 1311/1111</td>
</tr>
<tr>
<td></td>
<td>TNTX 1100</td>
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<tr>
<td></td>
<td>MATH 1710</td>
<td>MATH 2313 or 2413 or 2513</td>
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<th>Spring Semester</th>
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<tbody>
<tr>
<td>Sophomore</td>
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<td>TCCNS Option</td>
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<tr>
<td></td>
<td>CHEM 2370/3210#</td>
<td>CHEM 2423 or 2123/2323</td>
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</tr>
<tr>
<td></td>
<td>PHIL 2600</td>
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<td>UNT Core: Humanities</td>
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<tr>
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<td>Elective</td>
<td>Consult UNT advisor</td>
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<td></td>
<td>Foreign Language 2040</td>
<td>Foreign Language 2311</td>
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<th>Spring Semester</th>
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<tr>
<td>Junior</td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
</tr>
<tr>
<td></td>
<td>CHEM (advanced)</td>
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<tr>
<td></td>
<td>UNT Core: Political Science</td>
<td>See list of approved courses</td>
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<tr>
<td></td>
<td>CHEM (advanced)</td>
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<tr>
<td></td>
<td>PHYS 1410/1430 or PHYS 1510#/1530# or PHYS 1710/1730</td>
<td>PHYS 1401 or 1301/1101 or PHYS 2425 or 2325/2125</td>
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<tr>
<td></td>
<td>UNT Core: Social &amp; Behavioral Sciences</td>
<td>See list of approved courses</td>
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* Students must be admitted to Teach North Texas Program prior to enrolling in certain Education courses.

<table>
<thead>
<tr>
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<th>Spring Semester</th>
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</thead>
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<tr>
<td>Senior</td>
<td>UNT Requirement</td>
<td>TCCNS Option</td>
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<td>CAS Core: Natural Sciences</td>
<td>See list of approved courses</td>
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<tr>
<td></td>
<td>CHEM 4900 (Research Experience)</td>
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<td>CHEM (4000 level)</td>
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<tr>
<td></td>
<td>EDSE 4500*</td>
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</table>

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