## B.A. Physics

### 2016-2017 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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
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<th>Spring Semester</th>
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<td>ENGL 1301</td>
<td>TECM 2700 (recommended) or ENGL 1320</td>
<td>ENGL 2311 (recommended) or ENGL 1302</td>
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<td>CHEM 1410/1430</td>
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<td>CHEM 1420/1440</td>
<td>CHEM 1412 or 1312/1112</td>
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<td>MATH 1710</td>
<td>MATH 2313 or 2413 or 2513</td>
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<td>MATH 2314 or 2414</td>
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<td>PHYS 1710/1730</td>
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<td>Foreign Language 2311</td>
<td>Foreign Language 2050</td>
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<td>SOPHOMORE</td>
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<td>PHYS 2220/2240</td>
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<td>See list of approved courses</td>
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[http://registrar.unt.edu/transfer-guides](http://registrar.unt.edu/transfer-guides)

Last Revised: September 20, 2016
College of Arts & Sciences

**B.A. Physics**

2016-2017 Texas Common Course Numbering System Transfer Guide

The BA with a major in physics is designed for students planning to teach physics in public school, taking a double major, or desiring a liberal arts education with a science concentration.

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.

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.

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.

**UNT Core: Communication**

ENGL 1301; and ENGL 1302 or 2311

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

ENGL 2311 is recommended.

**UNT Core: Mathematics**

This requirement will be met by fulfilling the B.A. Physics mathematics requirement (see next column).

**UNT Core: Life & Physical Sciences**

This requirement will be met by fulfilling the B.A. Physics 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 2322 or 2332; HIST 2321 or 2322; PHIL 1301, 1304, 2303, 2036, 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; SOCI 1301; SOCV 2361; SPCH 1318; TECA 1354

**UNT Core: Component Area Option Category I**

One course chosen from: ARTS 1301; BIOL/HECO 1322; COMM 1307; MATH 2305 or 2405; SPCH 1311 or 1315; TECA 1303

**UNT Core: Component Area Option Category II**

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

**College of Arts & Sciences: Foreign Language**

Any foreign language 2311 and 2312.

Courses must be taken in the same language.

**B.A. Physics: Other Course Requirements**

Required courses in mathematics:

- MATH 2313 or 2413 or 2513
- MATH 2314 or 2414
- MATH 2315 or 2415

Required courses in laboratory science:

(Also fulfills Life & Physical Sciences and CAO Category II core requirements.)

- CHEM 1411 or 1311/1111
- CHEM 1412 or 1312/1112

Complete one of the following Natural/Life Sciences:

- ANTH 2401
- BIOL 1406 or 1106/1306*
- BIOL 1407 or 1107/1307*
- BIOL 1408 or 1108/1308
- BIOL 2401 or 2101/2301
- BIOL 2402 or 2102/2302
- BIOL 2406 or 2106/2306
- GEOL 1401 or 1101/1301
- GEOL 1403 or 1103/1303
- GEOL 1405

* approved substitution

Substitutions in the B.A. or B.S. degree programs may be made only with the written consent of the department chair.

A minimum grade point average of 2.5 in all advanced-level science and mathematics courses is required for graduation with a degree in physics or engineering physics.

http://registrar.unt.edu/transfer-guides

Last Revised: September 20, 2016
B.A. Physics: Major Requirements

Complete one of the following course groups:

1. PHYS 2425 or 2325/2125
2. PHYS 1401 (or 1301/1101) and PHYS 1402 (or 1302/1102)

Complete the following course: PHYS 2426 or 2326/2126

Courses shown above are TCCNS options and do not include all courses required for UNT Physics major.

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 under the corresponding catalog year.

For additional program and contact information, visit the College of Arts and Sciences Student Advising website at www.cas.unt.edu/advising.