# ACTUARIAL SCIENCE (BS)
School of Natural Sciences and Mathematics

2020-2021 Transfer Plan using the Texas Common Course Numbering System

This transfer plan is intended as a general guide for UT DALLAS’ lower-division major requirements and Core Curriculum requirements. Please consult the current online UT DALLAS catalog for complete degree plan requirements. [http://catalog.utdallas.edu/2020/undergraduate/programs](http://catalog.utdallas.edu/2020/undergraduate/programs)

View an example of a Two-Year Transfer Pathway from a Texas Public Community College using TCCNS Courses: [https://www.utdallas.edu/enroll/transfer/pathways/](https://www.utdallas.edu/enroll/transfer/pathways/)

<table>
<thead>
<tr>
<th>UT DALLAS REQUIREMENT</th>
<th>TCCNS COURSE EQUIVALENT**</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. UT DALLAS CORE CURRICULUM REQUIREMENTS: 42 semester credit hours</td>
<td></td>
</tr>
<tr>
<td>Communication: 6 semester credit hours</td>
<td>010 Core Code</td>
</tr>
<tr>
<td>COMM 1311</td>
<td>Survey of Oral &amp; Technology-based Communication</td>
</tr>
<tr>
<td>RHET 1302</td>
<td>Rhetoric</td>
</tr>
<tr>
<td>* (ENGL 1301 is prerequisite to ENGL 1302 and must be completed prior to taking ENGL 1302. ENGL 1301 can be used to satisfy three semester credit hours of the Communication Core Curriculum requirement.)</td>
<td></td>
</tr>
<tr>
<td>Mathematics: 3 semester credit hours</td>
<td>020 Core Code</td>
</tr>
<tr>
<td>MATH 2417*</td>
<td>Calculus I (Accelerated)</td>
</tr>
<tr>
<td>or MATH 2413*</td>
<td>Differential Calculus</td>
</tr>
<tr>
<td>* (MATH 2417 or MATH 2413 is a required major preparatory course - noted in Section II below - that also fulfills the three-semester-credit-hour Mathematics Core Curriculum requirement. Semester credit hours are counted in Core curriculum.)</td>
<td></td>
</tr>
<tr>
<td>Life and Physical Sciences: 6 semester credit hours</td>
<td>030 Core Code</td>
</tr>
<tr>
<td>PHYS 2325*</td>
<td>Mechanics</td>
</tr>
<tr>
<td>or CHEM 1311*</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>PHYS 2326*</td>
<td>Electromagnetism and Waves</td>
</tr>
<tr>
<td>or CHEM 1312*</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>* (PHYS 2325 and 2326 or CHEM 1311 and 1312 are required major preparatory courses - noted in Section II below - that also fulfill the six-semester-credit-hour Life and Physical Sciences Core Curriculum requirement. Semester credit hours are counted in Core Curriculum.)</td>
<td></td>
</tr>
<tr>
<td>Language, Philosophy, and Culture: 3 semester credit hours</td>
<td>040 Core Code</td>
</tr>
<tr>
<td>HUMA 1301</td>
<td>Exploration of the Humanities</td>
</tr>
<tr>
<td>Or: select 3 semester credit hours from other TCCNS core options:</td>
<td></td>
</tr>
<tr>
<td>ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, HIST 2311, HIST 2312, HIST 2321, HIST 2322, PHILO 1301, PHILO 1304, PHILO 2306, PHILO 2307, PHILO 2316.</td>
<td></td>
</tr>
<tr>
<td>Creative Arts: 3 semester credit hours</td>
<td>050 Core Code</td>
</tr>
<tr>
<td>ARTS 1301</td>
<td>Exploration of the Arts</td>
</tr>
<tr>
<td>Or: select 3 semester credit hours from other TCCNS core options:</td>
<td></td>
</tr>
<tr>
<td>ARCH 1301, ARCH 1302, ARTS 1303, ARTS 1304, DANC 1305, DANC 2303, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, HUMA 1315, MUSI 1306, MUSI 1308, MUSI 1309.</td>
<td></td>
</tr>
<tr>
<td>American History: 6 semester credit hours</td>
<td>060 Core Code</td>
</tr>
<tr>
<td>Texas Legislative Mandate</td>
<td></td>
</tr>
<tr>
<td>Choose two courses from the following:</td>
<td></td>
</tr>
<tr>
<td>HIST 1301</td>
<td>US History Survey to Civil War</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>US History Survey from Civil War</td>
</tr>
<tr>
<td>HIST 2301</td>
<td>History of Texas</td>
</tr>
<tr>
<td>HIST 2381</td>
<td>African-American History</td>
</tr>
<tr>
<td>Government/Poltical Science: 6 semester credit hours</td>
<td>070 Core Code</td>
</tr>
<tr>
<td>Texas Legislative Mandate*</td>
<td></td>
</tr>
<tr>
<td>GOVT 2305</td>
<td>American National Government</td>
</tr>
<tr>
<td>GOVT 2306</td>
<td>State and Local Government</td>
</tr>
<tr>
<td>* (The six-semester-credit-hour government course mandate requires study of the Constitution of the United States and the Constitution of Texas. (See UT DALLAS Departmental Advisor if you have questions))</td>
<td></td>
</tr>
<tr>
<td>Social and Behavioral Sciences: 3 semester credit hours</td>
<td>080 Core Code</td>
</tr>
<tr>
<td>ECON 2302*</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>* (ECON 2302 is a required major preparatory course - noted in Section II below - that also fulfills the three-semester-credit-hour Social and Behavioral Sciences Core Curriculum requirement. Semester credit hours are counted in Core Curriculum.)</td>
<td></td>
</tr>
</tbody>
</table>
### Component Area Option: 6 semester credit hours

<table>
<thead>
<tr>
<th>Component Area</th>
<th>TCCNS Course Equivalent **</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2417* and</td>
<td>Calculus I (Accelerated)</td>
</tr>
<tr>
<td>MATH 2419*</td>
<td>Calculus II (Accelerated)</td>
</tr>
<tr>
<td>or MATH 2413*</td>
<td>Differential Calculus</td>
</tr>
<tr>
<td>MATH 2414*</td>
<td>Integral Calculus</td>
</tr>
<tr>
<td>MATH 2415*</td>
<td>Calculus of Several Variables</td>
</tr>
<tr>
<td>PHYS 2125*</td>
<td>Physics Lab I</td>
</tr>
<tr>
<td>or CHEM 1111*</td>
<td></td>
</tr>
</tbody>
</table>

**N/A**

* (MATH 2417 and 2419, or 2413, 2414, and 2415, and PHYS 2125 or CHEM 1111 are required major preparatory courses - noted in Section II below - that also fulfill the six-semester-credit-hour Component Area Option Core Curriculum requirement. Semester credit hours are counted in Core curriculum.)

### II. UT DALLAS MAJOR REQUIREMENTS: 74-75 semester credit hours

#### Major Preparatory Courses: 29-30 semester credit hours beyond Core Curriculum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
<td>Introductory Financial Accounting</td>
</tr>
<tr>
<td>ACCT 2302</td>
<td>Introductory Management Accounting</td>
</tr>
<tr>
<td>BCOM 3200</td>
<td>Introduction to Business and Professional Dev</td>
</tr>
<tr>
<td>CS 1336</td>
<td>Programming Fundamentals</td>
</tr>
<tr>
<td>CS 1136</td>
<td>Computer Science Laboratory</td>
</tr>
<tr>
<td>CS 1337</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>or MATH 2370</td>
<td>Introduction to Programming with MATLAB</td>
</tr>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>MATH 2417*</td>
<td>Calculus I (Accelerated)</td>
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<td>MATH 2419*</td>
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<tr>
<td>MATH 2415*</td>
<td>Calculus of Several Variables</td>
</tr>
<tr>
<td>MATH 2418</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MATH 2420</td>
<td>Differential Equations with Applications</td>
</tr>
<tr>
<td>MATH 2451</td>
<td>Multivariable Calculus with Applications</td>
</tr>
<tr>
<td>or MATH 3351</td>
<td>Advanced Calculus</td>
</tr>
<tr>
<td>PHYS 2325/2125</td>
<td>Mechanics and Physics Lab I</td>
</tr>
<tr>
<td>or CHEM 1311/111</td>
<td>General Chemistry I and General Chemistry Lab I</td>
</tr>
<tr>
<td>PHYS 2326</td>
<td>Electromagnetism and Waves</td>
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<tr>
<td>or CHEM 1312</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>PHYS 2126</td>
<td>Physics Lab II</td>
</tr>
<tr>
<td>or CHEM 1112</td>
<td>General Chemistry Lab II</td>
</tr>
</tbody>
</table>

(See UT DALLAS Departmental Advisor for upper-division course requirements)

### III. UT DALLAS ELECTIVE REQUIREMENTS: 3-4 semester credit hours

All students must complete at least 51 semester credit hours of upper-division courses to graduate.

(See UT DALLAS Departmental Advisor)

**PLEASE NOTE:**

Transfer Core options listed reflect the TCCNS courses only, as approved at UT DALLAS.

Other Texas public colleges or universities may individually interpret some TCCNS courses in a different core category, which UT DALLAS will honor. Check with a UT DALLAS academic advisor to verify this.

Other courses that may potentially qualify for core requirements must be approved by a UT DALLAS academic advisor or the department housing the student’s major.

Completion of the entire Core Curriculum at another Texas public college or university will substitute for completion of UT DALLAS’ Core Curriculum.

TCCNS courses in Field of Study (FOS) programs will transfer to UT DALLAS.

UT DALLAS does not accept vocational or technical courses in certificate or applied science programs, nor Workforce Education (WECM) courses, nor developmental courses.