

# ACTUARIAL SCIENCE (BS)

## School of Natural Sciences and Mathematics



### 2019-2020 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/2019/undergraduate/programs>

UT DALLAS REQUIREMENT		TCCNS COURSE EQUIVALENT**
<b>I. UT DALLAS CORE CURRICULUM REQUIREMENTS: 42 semester credit hours</b>		
<b>Communication: 6 semester credit hours</b>		<b>010 Core Code</b>
<b>COMM 1311</b> Survey of Oral & Technology-based Communication <b>RHET 1302</b> Rhetoric		<b>SPCH 1311</b> <b>ENGL 1302*</b> <i>*(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.)</i>
<b>Mathematics: 3 semester credit hours</b>		<b>020 Core Code</b>
<b>MATH 2417*</b> Calculus I (Accelerated) or <b>MATH 2413*</b> Differential Calculus <i>*(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.)</i>		N/A or <b>MATH 2413 or 2313</b>
<b>Life and Physical Sciences: 6 semester credit hours</b>		<b>030 Core Code</b>
<b>PHYS 2325*</b> Mechanics or <b>CHEM 1311*</b> General Chemistry I <b>PHYS 2326*</b> Electromagnetism and Waves or <b>CHEM 1312*</b> General Chemistry II <i>*(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.)</i>		<b>PHYS 2325 or 2425</b> or <b>CHEM 1311 or 1411</b> <b>PHYS 2326 or 2426</b> or <b>CHEM 1312 or 1412</b>
<b>Language, Philosophy, and Culture: 3 semester credit hours</b>		<b>040 Core Code</b>
<b>HUMA 1301</b> Exploration of the Humanities		<b>HUMA 1301</b> <i>Or: select 3 semester credit hours from other TCCNS core options: 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, PHIL 1301, PHIL 1304, PHIL 2306, PHIL 2307, PHIL 2316.</i>
<b>Creative Arts: 3 semester credit hours</b>		<b>050 Core Code</b>
<b>ARTS 1301</b> Exploration of the Arts		<b>ARTS 1301</b> <i>Or: select 3 semester credit hours from other TCCNS core options: 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.</i>
<b>American History: 6 semester credit hours</b>		<b>060 Core Code</b>
Texas Legislative Mandate Choose two courses from the following: <b>HIST 1301</b> US History Survey to Civil War <b>HIST 1302</b> US History Survey from Civil War <b>HIST 2301</b> History of Texas <b>HIST 2381</b> African-American History		<b>HIST 1301</b> <b>HIST 1302</b> <b>HIST 2301</b> <b>HIST 2381</b>
<b>Government/Political Science: 6 semester credit hours</b>		<b>070 Core Code</b>
Texas Legislative Mandate* <b>GOVT 2305</b> American National Government <b>GOVT 2306</b> State and Local Government <i>*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)</i>		<b>GOVT 2305</b> <b>GOVT 2306</b>
<b>Social and Behavioral Sciences: 3 semester credit hours</b>		<b>080 Core Code</b>
<b>ECON 2302*</b> Principles of Microeconomics <i>*(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.)</i>		<b>ECON 2302</b>

UT DALLAS REQUIREMENT	TCCNS COURSE EQUIVALENT**
<b>Component Area Option: 6 semester credit hours</b>	
<b>090 Core Code</b>	
<b>MATH 2417* and</b> Calculus I (Accelerated) <b>MATH 2419*</b> Calculus II (Accelerated) <b>or MATH 2413* and</b> Differential Calculus <b>MATH 2414* and</b> Integral Calculus <b>MATH 2415*</b> Calculus of Several Variables <b>PHYS 2125*</b> Physics Lab I <b>or CHEM 1111*</b>	N/A N/A <b>or MATH 2413 or 2313 and</b> <b>MATH 2414 or 2314 and</b> <b>MATH 2415 or 2315</b> <b>PHYS 2125 or lab of 2425</b> <b>or CHEM 1111 or lab of 1411</b>
<i>*(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.)</i>	

<b>II. UT DALLAS MAJOR REQUIREMENTS: 76-77 semester credit hours</b>	
<b>Major Preparatory Courses: 31-32 semester credit hours beyond Core Curriculum</b>	
<b>ACCT 2301</b> Introductory Financial Accounting <b>ACCT 2302</b> Introductory Management Accounting <b>BCOM 3200</b> Introduction to Business and Professional Dev <b>BCOM 3310</b> Business Communication <b>CS 1336</b> Programming Fundamentals <b>CS 1136</b> Computer Science Laboratory <b>CS 1337</b> Computer Science I <b>or MATH 2370</b> Introduction to Programming with MATLAB <b>ECON 2302</b> Principles of Microeconomics <b>MATH 2417 and</b> Calculus I (Accelerated) <b>MATH 2419</b> Calculus II (Accelerated) <b>or MATH 2413 and</b> Differential Calculus <b>MATH 2414 and</b> Integral Calculus <b>MATH 2415</b> Calculus of Several Variables <b>MATH 2418</b> Linear Algebra <b>MATH 2420</b> Differential Equations with Applications <b>MATH 2451</b> Multivariable Calculus with Applications <b>PHYS 2325</b> Mechanics <b>or CHEM 1311</b> General Chemistry I <b>PHYS 2326</b> Electromagnetism and Waves <b>or CHEM 1312</b> General Chemistry II <b>PHYS 2125</b> Physics Lab I <b>or CHEM 1111</b> General Chemistry Lab I <b>PHYS 2126</b> Physics Lab II <b>or CHEM 1112</b> General Chemistry Lab II	<b>ACCT 2301 or 2401</b> <b>ACCT 2302 or 2402</b> N/A N/A <b>COSC 1336 or 1436</b> N/A <b>COSC 1337 or 1437</b> N/A <b>ECON 2302</b> N/A N/A <b>or MATH 2413 or 2313 and</b> <b>MATH 2414 or 2314 and</b> <b>MATH 2415 or 2315</b> <b>MATH 2418 or 2318</b> <b>MATH 2420 or 2320</b> N/A <b>PHYS 2325 or 2425</b> <b>or CHEM 1311 or 1411</b> <b>PHYS 2326 or 2426</b> <b>or CHEM 1312 or 1412</b> <b>PHYS 2125 or lab of 2425</b> <b>or CHEM 1111 or lab of 1411</b> <b>PHYS 2126 or lab of 2426</b> <b>or CHEM 1112 or lab of 1412</b>
(See UT DALLAS Departmental Advisor for upper-division course requirements)	

<b>III. UT DALLAS ELECTIVE REQUIREMENTS: 1-2 semester credit hours</b>
All students must complete at least 51 semester credit hours of upper-division courses to graduate. (See UT DALLAS Departmental Advisor)

<b>A MINIMUM OF 120 SEMESTER CREDIT HOURS IS REQUIRED FOR GRADUATION WITH AT LEAST 51 UPPER-DIVISION SEMESTER CREDIT HOURS.</b>
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<b>**PLEASE NOTE:</b> 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.
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