



School of Natural Sciences and Mathematics
2009-2010 Transfer Guide for
Texas Common Course Numbering System

Major: **BIOLOGY**

Degree: **Bachelor of Arts (B.A.)**

UTD Courses		TCCNS Courses	
I. UTD CORE CURRICULUM REQUIREMENTS (42 Semester Hours)			
A. Communication (6 Hours)			
RHET 1302	Rhetoric	ENGL 1302*	010 Core Code
<i>*(ENGL 1301 is prerequisite to ENGL 1302 and must be completed prior to taking ENGL 1302. ENGL 1301 can be used for elective hours.)</i>			
BIOL 4337* or BIOL 4390* or BIOL 4391* or BIOL 4398* or BIOL 4399* or NATS 4310*	Seminal Papers in Biology Sr Readings:Molec & Cell Biology Sr Research:Molec & Cell Biology Sr Honors Readings:Molec & Cell Biology Sr Honors Research:Molec & Cell Biology Adv Writing in Natural Sciences & Math	N/A N/A N/A N/A N/A N/A	
<i>*(One of BIOL 4337, 4390, 4391, 4398, 4399, or NATS 4310, taken at UTD, will satisfy three hours of the communication core curriculum requirement as well as satisfy the upper-division major advanced writing requirement.)</i>			
B. Social and Behavioral Sciences (15 Hours)			
6 Hours of Government (Texas Legislative Mandate):		Choose one two-course series:	070 Core Code
GOVT 2301* and GOVT 2302*	Const Found & Pol Beh in US and Texas Political Institutions in US and Texas	GOVT 2301 and GOVT 2302	
N/A N/A	American Federal Government Texas Government	or GOVT 2305 and GOVT 2306	
<i>*(Consult your academic advisor for course descriptions. The six hour government requirement must include study of the Constitution of the United States and the Constitution of Texas.)</i>			
6 Hours of American History (Texas Legislative Mandate):		Two of the following:	060 Core Code
HIST 1301 HIST 1302 HIST 2301 N/A N/A	US History Survey to Civil War US History Survey from Civil War History of Texas Mexican-American History I Mexican-American History II	HIST 1301 HIST 1302 HIST 2301 HIST 2327 HIST 2328	
3 Hours of Social and Behavioral Sciences Elective:			080 Core Code
<i>Core options:</i> ANTH 2302, ANTH 2346, ANTH 2351, ECON 1301, ECON 2301, ECON 2302, ECON 2311, GEOG 1300, GEOG 1302, GEOG 1303, GEOG 2312, PSYC 2301, PSYC 2307, PSYC 2308, PSYC 2311, PSYC 2312, PSYC 2313, PSYC 2314, PSYC 2316, PSYC 2319, SOCI 1301, SOCI 1306, SOCI 2319, SOCI 2301, SOCI 2326, SOCI 2336.			
C. Humanities and Fine Arts (6 Hours)			
HUMA 1301	Exploration of the Humanities	HUMA 1301	040 Core Code
<i>or other core options:</i> ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, FREN 2303, FREN 2304, HIST 2311, HIST 2312, HIST 2321, HIST 2322, PHIL 1301, PHIL 1304, PHIL 2303, PHIL 2306, PHIL 2307, PHIL 2316, PHIL 2317.			
ARTS 1301	Exploration of the Arts	ARTS 1301	050 Core Code
<i>or other core options:</i> ARCH 1301, ARCH 1302, ARTS 1303, ARTS 1304, DANC 2303, DANC 2304, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2363, HUMA 1315, MUSI 1306, MUSI 1308, MUSI 1309.			
D. Mathematics and Quantitative Reasoning (6 Hours)			
MATH 1325* and STAT 3332* or MATH 2413* and MATH 2414*	Applied Calculus I Statistics for Life Sciences Differential Calculus Integral Calculus	MATH 1325 or 1425 N/A or MATH 2313 or 2413 or 2513 or 2417 MATH 2314 or 2414 or 2419	020 Core Code
<i>*(MATH 1325 and STAT 3332 or MATH 2413 and 2414 are major requirements that will also satisfy the six hour mathematics and quantitative reasoning core curriculum requirement.)</i>			

UTD Courses

TCCNS Courses

E. Science (9 Hours)

030 Core Code

CHEM 1311/1111*
CHEM 1312/1112*
PHYS 1101*

General Chemistry I w/lab
 General Chemistry II w/lab
 College Physics Laboratory I

CHEM 1311/1111 or 1411
CHEM 1312/1112 or 1412
PHYS 1101 or lab of PHYS 1401
or PHYS 2125 or lab of PHYS 2425

**(CHEM 1311/1111, CHEM 1312/1112, and PHYS 1101 are major requirements that will also satisfy the nine hour science core curriculum requirement.)*

II. UTD MAJOR REQUIREMENTS (53-55 Hours)

Major Preparatory Courses (16-18 hours beyond Core Curriculum):

BIOL 2281* Introductory Biology Laboratory **BIOL 1106 & 1107* or labs of BIOL 1406 & BIOL 1407***

(BIOL 2281 is required for transfer biology majors who have not completed the two hour biology majors lab requirement **prior to transfer to UTD.)*

BIOL 2311/2111*

Intro to Modern Biology I w/workshop

BIOL 1306/1106* or 1406*

BIOL 2312/2112*

Intro to Modern Biology II w/workshop

BIOL 1307/1107* or 1407*

**(BIOL 1306/1106 or 1406 and BIOL 1307/1107 or 1407 will transfer to UTD as BIOL 2311 & BIOL 1106 and BIOL 2312 & BIOL 1107 respectively, and will satisfy the lower-division major requirement. The workshops, BIOL 2111 and BIOL 2112, are not required for transfer students.)*

CHEM 1311/1111

General Chemistry I w/lab

CHEM 1311/1111 or 1411

CHEM 1312/1112

General Chemistry II w/lab

CHEM 1312/1112 or 1412

CHEM 2323/2123

Intro Organic Chemistry I

CHEM 2323/2123 or 2423

CHEM 2325/2125

Intro Organic Chemistry II w/Lab

CHEM 2325/2125 or 2425

MATH 1325 and

Applied Calculus I

MATH 1325 or 1425

STAT 3332

Statistics for Life Sciences

N/A

or **MATH 2413 and** Differential Calculus **or** **MATH 2313 or 2413 or 2513 or 2417**

MATH 2414

Integral Calculus

MATH 2314 or 2414 or 2419

PHYS 1301/1101 and

College Physics I w/Lab

PHYS 1301/1101 or 1401

PHYS 1302/1102

College Physics II w/Lab

PHYS 1302/1102 or 1402

or **PHYS 3341/3041/1101 and** Physics for Bio Science I w/Recit/lab **or** **PHYS 2325/2125^A or 2425^A**

PHYS 3342/3042/1102

Physics for Bio Science II w/Recit/lab

PHYS 2326/2126^A or 2426^A

*^(PHYS 2325/2125 or 2425 and PHYS 2326/2126 or 2426 satisfy the PHYS 3341 and PHYS 3342 requirements only if completed **prior** to transfer to UTD.)*

Advanced Upper-Division Major Requirements:

(See Departmental Advisor)

III. UTD ELECTIVE REQUIREMENTS (21-29 Hours)

Advanced Electives:

All students are required to complete at least six hours of advanced electives outside their major field of study.

These must be either upper-division courses, or lower-division courses that have prerequisites.

CHEM 2323*

Intro Organic Chemistry I

CHEM 2323 or 2423

CHEM 2325*

Intro Organic Chemistry II

CHEM 2325 or 2425

**(CHEM 2323 and CHEM 2325, counted under Major Preparatory Courses, will also satisfy the six hours of advanced electives outside the major.)*

Free Electives (27- 29 hours):

Both lower-division and upper-division courses may be used as free electives, but students must complete at least 51 upper-division hours to qualify for graduation.

A MINIMUM OF 124 SEMESTER HOURS IS REQUIRED FOR GRADUATION WITH AT LEAST 51 UPPER-DIVISION HOURS.

Note: Core options listed reflect the TCCNS courses. Other courses that may potentially qualify for core requirements must be approved by an academic advisor or the department housing the student's major.

UTD does not accept vocational or technical courses in certificate or applied science programs, nor courses offered through the Workforce Education Course Manual (WECM), nor developmental courses.

Consult the current online UTD catalog for complete degree plan requirements.

www.utdallas.edu/student/catalog/ugcurrent/undergradprograms.html