



Erik Jonsson School of Engineering and Computer Science
2014-2015 Transfer Guide for
Texas Common Course Numbering System

Major: SOFTWARE ENGINEERING

Degree: Bachelor of Science (B.S.)

UTD Courses	TCCNS Courses*
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I. UTD CORE CURRICULUM REQUIREMENTS (42 semester credit hours)

A. Communication (6 semester credit hours)	010 Core Code
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RHET 1302	Rhetoric	ENGL 1302*
<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>		
ESC 3390	Professional and Technical Communication	N/A

B. Mathematics (3 semester credit hours)	020 Core Code
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One of the following:		
MATH 2413*	Differential Calculus	MATH 2413
MATH 2417*	Calculus I (Accelerated)	MATH 2417
<i>*(MATH 2413 or 2417 is a major requirement that will also satisfy the three-semester-credit-hour Mathematics core curriculum requirement.)</i> (See UTD Departmental Advisor)		

C. Life and Physical Sciences (6 semester credit hours)	030 Core Code
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PHYS 2325*	Mechanics	PHYS 2325 or 2425
PHYS 2326*	General Chemistry I	PHYS 2326 or 2426
<i>*(PHYS 2325 and 2326 are major requirements that will also satisfy the six-semester-credit-hour Life and Physical Sciences core curriculum requirement.)</i>		

D. Language, Philosophy, and Culture (3 semester credit hours)	040 Core Code
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One of the following:		
HUMA 1301	Exploration of the Humanities	HUMA 1301
LIT 2331	Masterpieces of World Literature	ENGL 2331
PHIL 1301	Introduction to Philosophy	PHIL 1301
PHIL 2316	History of Philosophy I	PHIL 2316
PHIL 2317	History of Philosophy II	PHIL 2317

E. Creative Arts (3 semester credit hours)	050 Core Code
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One of the following:		
AHST 1303	Survey/Western Art History:Ancient-Medieval	ARTS 1303
AHST 1304	Survey/Western Art History:Renaissance-Modern	ARTS 1304
AHST 2331	Understanding Art	N/A
ARTS 1301	Exploration of the Arts	ARTS 1301
DANC 1310	Understanding Dance	DANC 2303
DRAM 1310	Understanding Theater	DRAM 1310
FILM 2332	Understanding Film	DRAM 2366
MUSI 1306	Understanding Music	MUSI 1306

F. American History (6 semester credit hours)	060 Core Code
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Texas Legislative Mandate		
Two of the following:		
HIST 1301	US History Survey to Civil War	HIST 1301
HIST 1302	US History Survey from Civil War	HIST 1302
HIST 2301	History of Texas	HIST 2301
HIST 2330	Themes and Ideas in American History	N/A
HIST 2332	Civil War and Reconstruction	N/A

G. Government/Political Science (6 semester credit hours)	070 Core Code
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Texas Legislative Mandate*		
GOVT 2305	American National Government	GOVT 2305
GOVT 2306	State and Local Government	GOVT 2306
<i>*The six-semester-credit-hour government course mandate requires study of the Constitution of the United States and the Constitution of Texas. (See UTD Departmental Advisor if you have questions)</i>		

UTD Courses**TCCNS Courses***

H. Social and Behavioral Sciences (3 semester credit hours)		080 Core Code
ECS 3361	Social Issues & Ethics/Computer Science & Engr (See UTD Departmental Advisor)	N/A
I. Component Area Option (6 semester credit hours)		090 Core Code
MATH 2413* or MATH 2417*	Differential Calculus Calculus I (Accelerated)	MATH 2413 or MATH 2417
MATH 2419*	Calculus II (Accelerated)	MATH 2419
PHYS 2125*	Physics Laboratory I	PHYS 2125 or lab of 2425
*(MATH 2413 or 2417 and 2419 and PHYS 2125 are major requirements that will also satisfy the six-semester-credit-hour Component Area Option core curriculum requirement.) (See UTD Departmental Advisor)		

II. UTD MAJOR REQUIREMENTS (70 semester credit hours)**Major Preparatory Courses:**

CS 1337	Computer Science I	COSC 1337 or 1437 (Java)*
CS 2336	Computer Science II	COSC 2336 or 2436 (Java)*
* Students who complete the C++ sequence should contact an ECS Academic Advisor for more information.		
CE 2305	Discrete Mathematics for Computing I	MATH 2305 or 2405
ECS 1200	Introduction to Engineering & Computer Science	ENGR 1201
MATH 2413 or MATH 2417	Differential Calculus Calculus I (Accelerated)	MATH 2413 or MATH 2417
MATH 2414 or MATH 2419	Integral Calculus Calculus II (Accelerated)	MATH 2414 or MATH 2419
MATH 2418	Linear Algebra	MATH 2418 or 2318
(See UTD Departmental Advisor to clarify Math requirements)		
PHYS 2325/2125	Mechanics w/lab	PHYS 2325/2125 or 2425
PHYS 2326/2126	Electromagnetism and Waves w/lab	PHYS 2326/2126 or 2426

4 semester credit hours Science Elective:

Options: (Courses for Non-Science majors CANNOT be used for this requirement.)

BIOL 1306-1106, BIOL 1307-1107, BIOL 1311-1111, BIOL 1313-1113, BIOL 1324-1124, BIOL 1406, BIOL 1407, BIOL 1411, BIOL 1413, BIOL 1424, BIOL 2301-2101, BIOL 2302-2102, BIOL 2316-2116, BIOL 2321-2121, BIOL 2401, BIOL 2402, BIOL 2416, BIOL 2421, BIOL 2428, CHEM 1311, CHEM 1312, CHEM 1411, CHEM 1412, CHEM 2301-2101, CHEM 2302-2102, CHEM 2402, GEOL 1303-1103, GEOL 1304-1104, GEOL 1403, GEOL 1404, GEOL 2307-2107, GEOL 2309, GEOL 2405, GEOL 2407, GEOL 2409, GEOL 2411, PHYS 2427.

(See UTD Departmental Advisor for upper-division course requirements)

III. UTD ELECTIVE REQUIREMENTS (11 semester credit hours)**Free Electives:**

Both lower-division and upper-division courses may count as electives.
But students must complete at least 51 semester credit hours of upper-division courses to qualify for graduation.

Degree programs in the Erik Jonsson School of Engineering and Computer Science are governed by various accreditation boards that place restrictions on courses used to meet the curricular requirements of degrees they certify.

For this reason, not all courses offered by the University can be used to meet elective requirements.

Please check with your academic advisor before enrolling in courses you hope to use as free electives.

(See UTD Departmental Advisor)

A MINIMUM OF 123 SEMESTER CREDIT HOURS IS REQUIRED FOR GRADUATION WITH AT LEAST 51 UPPER-DIVISION SEMESTER CREDIT HOURS.

***PLEASE NOTE:**

This transfer guide should be used only as a *general* guide.

Core options listed reflect the TCCNS courses only, as approved at UTD.

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

Other courses that may potentially qualify for core requirements must be approved by an academic advisor or the department housing the student's major.

Completion of the entire Core Curriculum at another Texas public college or university prior to matriculating at UTD will substitute for completion of UTD's Core Curriculum.

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

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

<http://catalog.utdallas.edu/2014/undergraduate/programs>