

STEM

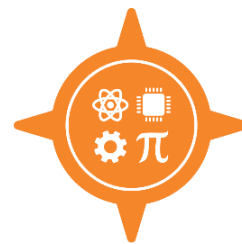
GUIDED PATHWAY: COMPUTER SCIENCE (UTD/RLC)

For more information, visit www.dcccd.edu/compsci and your academic advisor at Richland College.

The Computer Science pathway prepares you to enter a bachelor's degree program in Computer Science at the University of Texas at Dallas (UTD)[#].

This is an example course sequence for students interested in pursuing Computer Science. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an AS degree², which will increase your chances of transfer to Computer Science at UTD. Students who transfer to UTD will **not** be core complete if he/she completes this degree. This degree **does not** include all core course requirements. Courses that complete the Degree (D) are noted below. For official degree requirements, [click here](#).

Visit www.dcccd.edu/TransferServices to view information about transfer to UT Dallas. From the Transfer Services site, you can also view [Transfer Pathways](#) that may be available with UT Dallas. Visit with your academic advisor to ensure the courses below will help you transfer to the Computer Science Program at UT Dallas.



Offered **ONLY** at RLC

COLLEGE READINESS REQUIREMENTS

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

READING & WRITING PLACEMENT	MATH PLACEMENT	ENGLISH LANGUAGE PROFICIENCY
TSI READING MET: <input type="checkbox"/> YES <input type="checkbox"/> NO TSI WRITING MET: <input type="checkbox"/> YES <input type="checkbox"/> NO	TSI MATH MET: <input type="checkbox"/> YES <input type="checkbox"/> NO	ENGLISH PROFICIENCY: <input type="checkbox"/> YES <input type="checkbox"/> NO
IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED		
<input type="checkbox"/> DREA / DWRI / DIRW (CIRCLE ONE) _____	<input type="checkbox"/> DMAT _____	<input type="checkbox"/> ESOL _____
<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

PROGRAM SPECIFIC REQUIREMENTS^A

- MATH 1314^A
 - MATH 1316^A
 - MATH 2412^A
- ^AThese courses are prerequisites to MATH 2413.
- Consider Completing Before Transfer:**
- ENGR 1201

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS³

ALL MAPS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

D	SEMESTER 1	ACTION ITEMS
♦	C ENGL 1301 – Composition I	<input type="checkbox"/> Meet with your advisor to confirm your academic and career goals by the end of the semester. <input type="checkbox"/> Meet with a career advisor/coach to research your career options with a Computer Science degree.
♦	C HIST 1301 – United States History I	
♦	C MATH 2413 – Calculus I ^A	
♦	Choose One: C ARTS 1301 – Art Appreciation* C DANC 2303 – Dance Appreciation* C DRAM 1310 – Introduction to Theater* C HUMA 1315 – Fine Arts Appreciation* C MUSI 1306 – Music Appreciation*	
TOTAL SEMESTER CREDIT HOURS: 13		

D	SEMESTER 2	ACTION ITEMS
♦	C ENGL 1302 – Composition II	<input type="checkbox"/> Meet with your advisor to file an official degree plan, confirm or update your academic/career pathway and program of study. <input type="checkbox"/> Inquire about the process of transferring to UT Dallas.
♦	C HIST 1302 – United States History II*	
♦	M MATH 2414 – Calculus II	
♦	C PHYS 2425 – University Physics I	
TOTAL SEMESTER CREDIT HOURS: 14		

D	SEMESTER 3	ACTION ITEMS
♦	C COSC 1436 – Programming Fundamentals I	<input type="checkbox"/> Begin applying to UT Dallas.
♦	C PHYS 2426 – University Physics II	
TOTAL SEMESTER CREDIT HOURS: 8		

D	SEMESTER 4	ACTION ITEMS
♦	C GOVT 2305 – Federal Government	<input type="checkbox"/> Begin applying for Financial Aid and Scholarships ○ You can start the FAFSA in October for the next academic year. (i.e., in October 2019, you can complete the FAFSA if you plan to register for classes at a university Fall 2020) <input type="checkbox"/> Check with your advisor for important deadlines and dates.
♦	C X3XX – Humanities, Language, and Philosophy Core Elective*	
♦	C COSC 1437 – Programming Fundamentals II	
♦	M MATH 2305 – Discrete Mathematics	
TOTAL SEMESTER CREDIT HOURS: 13		

D	SEMESTER 5	ACTION ITEMS
♦	M MATH 2418 – Linear Algebra	<input type="checkbox"/> After reviewing your degree plan and program of study, apply for Graduation. ○ Meet with your advisor to apply for the AS degree in Computer Science. ○ Sign up for commencement. <input type="checkbox"/> Request final transcripts to be sent to UT Dallas. <input type="checkbox"/> Join the Alumni Network!
♦	C GOVT 2306 – Texas Government	
♦	C COSC 2436 – Programming Fundamentals III	
♦	ENGR 2105 – Electrical Circuits I Laboratory ^{AA}	
TOTAL SEMESTER CREDIT HOURS: 12		

AS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS

¹ Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.
[#] You may need to complete additional courses, beyond those listed in this pathway, to be accepted into the Computer Science program at UTD.
 Speak with your academic advisor for more information and a list of additional courses.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Richland College.

^A To register for MATH 2413, you must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412

³ This is not an official degree plan. For official degree requirements, [click here](#).

C This course counts for the Core Curriculum at any public college or university in Texas.

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

^{AA} To register for ENGR 2105, you must have completed MATH 1316 and ENGR 1304 and be concurrently enrolled in ENGR 2305.

You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course and receive a GPA of at least 2.50 on all college-level course work.

THIS PATHWAY WAS LAST UPDATED APRIL 3, 2019