

STEM

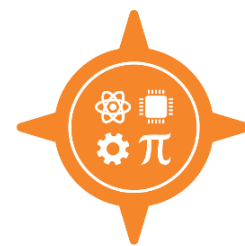
GUIDED PATHWAY: BIOMEDICAL ENGINEERING (UT DALLAS/RLC)

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

The Biomedical Engineering pathway prepares you to enter a bachelor's degree program in Biomedical Engineering at the University of Texas at Dallas (UT Dallas) ⁱⁱ.

This is an example course sequence for students interested in pursuing Biomedical Engineering. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an AS degree ⁱⁱⁱ, which will increase your chances of transfer to Biomedical Engineering at UT Dallas. Students who transfer to UT Dallas 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. Visit with your academic advisor to ensure the courses below will help you transfer to the Biomedical Engineering 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
<i>IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED</i>		
<input type="checkbox"/> DREA / DWRI / DIRW (CIRCLE ONE) _____	<input type="checkbox"/> DMAT _____ <input type="checkbox"/> OTHER: _____	<input type="checkbox"/> ESOL _____ <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 ^{iv}

- MATH 1314 ^{iv}
 - MATH 1316 ^{iv}
 - MATH 2412 ^{iv}
- ^{iv} These courses are prerequisites to MATH 2413.
- Consider Completing Before Transfer:**
- MATH 2420
 - ENGR 2301
 - PHYS 2426

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS ^v
ALL MAPS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

D	SEMESTER 1	ACTION ITEMS
♦	ENGL 1301 – Composition I ^{vi} (core course)	<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 Biomedical Engineering degree.
♦	HIST 1301 – United States History I (core course)	
♦	BIOL 1406 – Biology for Science Majors I	
♦	MATH 2413 – Calculus I ^{iv vi} (core course)	
TOTAL SEMESTER CREDIT HOURS: 14		
D	SEMESTER 2	ACTION ITEMS
♦	ENGL 1302 – Composition II (core course)	<input type="checkbox"/> Meet with your advisor to request an official program of study audit, confirm or update your academic/career pathway and program of study. ○ Inquire about the process of transferring to UT Dallas.
♦	HIST 1302 – United States History II ^{vii} (core course)	
♦	CHEM 1411 – General Chemistry I (core course)	
♦	ENGR 1201 – Introduction to Engineering	
TOTAL SEMESTER CREDIT HOURS: 12		
D	SEMESTER 3	ACTION ITEMS
♦	ECON 2301 – Principles of Macroeconomics (core course)	<input type="checkbox"/> Begin applying to UT Dallas.
♦	GOVT 2305 – Federal Government (core course)	
TOTAL SEMESTER CREDIT HOURS: 6		
D	SEMESTER 4	ACTION ITEMS
♦	ENGR 2304 – Programming for Engineers	<input type="checkbox"/> Begin applying for Financial Aid and Scholarships at UT Dallas. ○ You can start the FAFSA in October for the next academic year. (i.e., in October 2018, you can complete the FAFSA if you plan to register for classes at a university Fall 2019) <input type="checkbox"/> Check with your advisor for important deadlines and dates.
♦	CHEM 1412 – General Chemistry II	
♦	PHYS 2425 – University Physics I (core course)	
♦	MATH 2414 – Calculus II	
TOTAL SEMESTER CREDIT HOURS: 15		
D	SEMESTER 5	ACTION ITEMS
♦	ENGR 2300 – Applied 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 in Biomedical Engineering. ○ Sign up for commencement. <input type="checkbox"/> Request final transcripts to be sent to UT Dallas. <input type="checkbox"/> Join the Alumni Network!
♦	GOVT 2306 – Texas Government (core course)	
♦	MATH 2415 – Calculus III	
♦	X3XX Language, Philosophy, and Culture Core Elective ^{vii} (core course)	
TOTAL SEMESTER CREDIT HOURS: 13		

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

ⁱ 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.
ⁱⁱ You may need to complete additional courses, beyond those listed in this pathway, to be accepted into the Biomedical Engineering program at UNTD. Speak with your academic advisor for more information and a list of additional courses.
ⁱⁱⁱ Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction at Richland College.
^{iv} To register for MATH 2413, you must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412
^v This is not an official degree plan. For official degree requirements, [click here](#).
^{vi} 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.
^{vii} There are several options to fulfill this requirement. See your academic advisor for a specific list.

THIS PATHWAY WAS LAST UPDATED APRIL 3, 2019