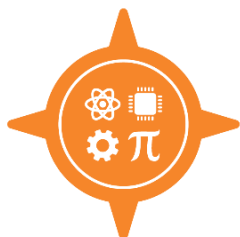


# GUIDED PATHWAY: MECHANICAL ENGINEERING (RLC/UT DALLAS)

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH



For more information, visit the [Dallas College Engineering webpage](http://www.dcccd.edu/engineering) [www.dcccd.edu/engineering] and your academic advisor at your campus.

The Mechanical Engineering pathway prepares you to enter a bachelor's degree program in Mechanical Engineering at the University of Texas at Dallas (UT Dallas). You may need to complete additional courses, beyond those listed in this pathway, to be accepted into the Mechanical Engineering program at UT Dallas. Speak with your academic advisor for more information and a list of additional courses.

This is an example course sequence for students interested in pursuing Mechanical Engineering. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Science degree, which will increase your chances of transfer to Mechanical 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. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Dallas College. Courses that complete the degree are noted below. See catalog for [official degree requirements](#).

Visit [www.dcccd.edu/transfer](http://www.dcccd.edu/transfer) and select "Transfer from Dallas College," then click on UT Dallas to view more information about transferring to that institution. Speak with your academic advisor to choose courses that will help you transfer to UT Dallas.

Catalog Year	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Associate of Science	
GPA Requirement	Student must earn a GPA of 2.0 or higher	
<a href="#">TSI</a>	Must be Complete	

## SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official program of study. See catalog for [official degree requirements](#).

**DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS**

### PATHWAY REQUIREMENTS

**Total Hours: 10**

*The following are prerequisite courses for MATH 2413.*

**MATH 1314**

**MATH 1316**

**MATH 2412**

### CONSIDER COMPLETING BEFORE TRANSFER

[CHEM 1411](#)

[ENGR 1201](#)

[ENGR 2105](#)

### SEMESTER 1

**Total Hours: 13**

[ENGL 1301](#) – Composition I *This is a Core course. Must earn a grade of "C" or higher.*

[HIST 1301](#) – United States History I *This is a Core course.*

[ENGR 2304](#) – Programming for Engineers

[MATH 2413](#) – Calculus I *This is a Core course. Must earn a grade of "C" or higher. Prerequisites of MATH 1314, MATH 1316, and MATH 2412, prior to enrolling in the course.*

#### SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm your academic and career goals by the end of the semester.

2. Meet with a career advisor/coach to research your career options with a Mechanical Engineering degree.

## SEMESTER 2

**Total Hours: 14**

[ENGL 1302](#) – Composition II *This is a Core course.*

[HIST 1302](#) – United States History II\* *This is a Core course.*

[PHYS 2425](#) – University Physics I *This is a Core course.*

[MATH 2414](#) – Calculus II

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

### SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to request an official program of study audit and confirm or update your academic/career pathway and program of study.
2. Inquire about the process of transferring to UT Dallas.

## SEMESTER 3

**Total Hours: 7**

[PHYS 2426](#) – University Physics II *This is a Core course.*

[GOVT 2305](#) – Federal Government *This is a Core course.*

### SEMESTER 3 ACTION ITEMS

1. Begin applying to UT Dallas.

## SEMESTER 4

**Total Hours: 13**

[GOVT 2306](#) – Texas Government *This is a Core course.*

[MATH 2415](#) – Calculus III

[ENGR 2301](#) – Engineering Mechanics – Statics *To register for ENGR 2301, you must have completed PHYS 2425 and be concurrently enrolled in MATH 2414.*

[ENGR 2300](#) – Applied Linear Algebra

### SEMESTER 4 ACTION ITEMS

1. 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 2021, you can complete the FAFSA if you plan to register for classes at a university Fall 2022)
2. Check with your advisor for important deadlines and dates.

## SEMESTER 5

**Total Hours: 13**

[ENGR 2302](#) – Engineering Mechanics – Dynamics

[ENGR 2332](#) – Mechanics of Materials

[ENGR 2305](#) – Electrical Circuits I *To register for ENGR 2305, you must have completed MATH 2414, PHYS 2426, and be concurrently enrolled in MATH 2420. Students must take ENGR 2305 and ENGR 2105 to receive credit for EE 1100 and EE 1201 at UTD.*

[MATH 2420](#) – Differential Equations

### SEMESTER 5 ACTION ITEMS

1. After reviewing your degree plan and program of study, meet with your advisor to apply for the Associate of Science degree in Mechanical Engineering.
2. Sign up for commencement.
3. Request final transcripts to be sent to UT Dallas.
4. Join the [Alumni Network!](#)

**PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS**