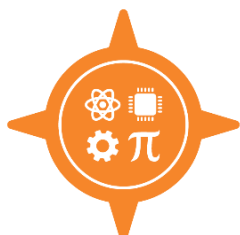


# GUIDED PATHWAY: PHYSICS (For Transfer to UT Dallas)

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH



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

Physics, the branch of science concerned with the nature and properties of matter and energy, encompasses the study of the universe from the largest galaxies to the smallest subatomic particles. It explores motion, heat, light and other radiation, sound, electricity, magnetism, and the structure of atoms. The guided pathway in Physics will provide a foundation for you to move on toward a rewarding future rich in diverse discovery. An Associate of Science (A.S.) degree with courses in this pathway prepares you to transfer to the University of Texas at Dallas (UT Dallas) to earn a bachelor's degree that opens the door to a career in just about anything.

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

**DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS**

### PATHWAY REQUIREMENTS

**Total Hours: 10**

*The following are prerequisites courses for MATH 2413.*

**MATH 1314**

**MATH 1316**

**MATH 2412**

### CONSIDER COMPLETING BEFORE TRANSFER

**MATH 2420**

**MATH 2318/2418**

### 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.*

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

[EDUC 1300](#) – Learning Framework *All college students with fewer than 12 semester credit hours of successful college credit (grade of "C" or above) must take a student success course in the first semester.*

#### SEMESTER 1 ACTION ITEMS

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

2. At the end of the semester, begin researching information at UT Dallas, to major in Physics.
3. Meet with a career advisor/coach to research your career options with a Physics degree.

## SEMESTER 2

**Total Hours: 14**

**ENGL 1302** – Composition II *This is a Core course.*

**CHEM 1411** – General Chemistry I

**MATH 2414** – Calculus II *This is a Core course. Must earn a grade of "C" or higher.*

**CHOOSE ONE:** **HIST 1302** – United States History II\* *This is a Core course.* **OR**

**HIST 2301** – Texas History\* *This is a Core course.*

\* 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. Ask about transfer advising to discuss options to pursue a bachelor's degree at UT Dallas.

## SEMESTER 3

**Total Hours: 7**

**CHEM 1412** – General Chemistry II *This is a Core course.*

**CHOOSE ONE:** **ENGL 2332** – World Literature I\* *This is a Core course.*

**ENGL 2333** – World Literature II\* *This is a Core course.* **OR**

**PHIL 1301** – Introduction to Philosophy\* *This is a Core course.*

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

### SEMESTER 3 ACTION ITEMS

1. Begin applying to UT Dallas.

## SEMESTER 4

**Total Hours: 14**

**GOVT 2305** – Federal Government *This is a Core course.*

**PHYS 2425** – University Physics I

**MATH 2415** – Calculus III

**CHOOSE ONE:** **ANTH 2351** – Cultural Anthropology\* *This is a Core course.*

**ECON 2301** – Principles of Macroeconomics\* *This is a Core course.*

**PSYC 2301** – General Psychology\* *This is a Core course.* **OR**

**SOCI 1301** – Introduction to Sociology\* *This is a Core course.*

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

### SEMESTER 4 ACTION ITEMS

1. Begin applying for Financial Aid and Scholarships. 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 UT Dallas Fall 2022)
2. Check with your advisor for important deadlines and dates.

## SEMESTER 5

**Total Hours: 14**

**GOVT 2306** – Texas Government *This is a Core course.*

**PHYS 2426** – University Physics II

**SPCH 1311** – Introduction to Speech Communication\* *This is a Core course.*

**PHED 1164** – Introduction to Physical Fitness and Wellness\* *This is a Core course.*

**CHOOSE ONE:** **ARTS 1301** – Art Appreciation\* *This is a Core course.*

**DRAM 1310** – Theater Appreciation\* *This is a Core course.* **OR**

**MUSI 1306** – Music Appreciation\* *This is a Core course.*

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

### 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.
2. Sign up for commencement.
3. Request final transcripts to be sent to UT Dallas.
4. Join the [Alumni Network!](#)

**PATHWAY TOTAL: 62 SEMESTER CREDIT HOURS**