GUIDED PATHWAY: GEOLOGY/ GEOLOGICAL SCIENCES

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH

For more information, visit the Dallas College Geology webpage [www.dcccd.edu/Geology] and your academic advisor at your campus.

Geologists study some of society's most important problems: energy, water, and mineral resources; the environment; climate change; and natural hazards like landslides, volcanoes, earthquakes and floods. The guided pathway in Geology will provide a foundation for you to complete courses toward an Associate of Science (A.S.) that will help you transfer to a university to earn a Bachelor of Science in Geology. A bachelor's degree in Geology opens the door to a career in the fossil fuels industry, environmental firms, research, regulatory functions and teaching.

This is an example course sequence for students interested in pursuing Geology. 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. 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 the catalog for official degree requirements.

Visit www.dcccd.edu/transfer and select "Transfer from Dallas College," then click on a university to view more information about transferring to that institution. Speak with your academic advisor to choose courses that will help you to transfer to a specific university.

Catalog Year	2019-2020 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
TSI	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 prerequisite courses for MATH 2413.
MATH 1314
MATH 1316
MATH 2412

CONSIDER COMPLETING BEFORE TRANSFER

PHYS 2426 *OR*
PHYS 1402

SEMESTER 1 — Total Hours: 14

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.*
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.*
GEOL 1403 – Physical Geology* *This is a Core course.*
PHED 1164 – Introduction to Physical Fitness and Wellness* *This is a Core course.*

*There are several options to fulfill this requirement. See your academic advisor for a specific list. Elective courses should be selected according to the intended university to which you will transfer.

SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm your academic and career goals by the end of the semester.
2. Ask about your options for transferring to pursue the bachelor's degree in Geology.
3. Meet with a career advisor/coach to research your career options with a Geology degree.

SEMESTER 2 — Total Hours: 14

ENGL 1302 – Composition II *This is a Core course.*
GEOL 1404 – Historical Geology* *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, prior to enrolling in the course.*
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. Elective courses should be selected according to the intended university to which you will transfer.

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.

SEMESTER 3 — Total Hours: 6

GOVT 2305 – Federal Government *This is a Core course.*
CHOOSE ONE: ENGL 2322 – British Literature I***** *This is a Core course.*
ENGL 2332 – World Literature I***** *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 your top choice universities.

SEMESTER 4 — Total Hours: 13

GOVT 2306 – Texas Government *This is a Core course.*
CHEM 1411 – General Chemistry I*
CHOOSE ONE: SPCH 1315 – Public Speaking***** *This is a Core course.*
SPCH 1321 – Business and Professional Communication***** *This is a Core course.* ***OR***
SPCH 1311 – Introduction to Speech Communication* *This is a Core course.*
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. Elective courses should be selected according to the intended university to which you will transfer.

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 2018, you can complete the FAFSA if you plan to register for classes at a university Fall 2019)*
2. Check with your advisor for important deadlines and dates.

SEMESTER 5 — Total Hours: 15

CHEM 1412 – General Chemistry II*
CHOOSE ONE: PHYS 2425 – University Physics I***** ***OR***
PHYS 1401 – College Physics I*****
CHOOSE ONE: ARTS 1303 – Art History I* *This is a Core course.*
DRAM 1310 – Theater Appreciation* *This is a Core course.* ***OR***
MUSI 1306 – Music Appreciation* *This is a Core course.*
CHOOSE ONE: GEOL 1445 – Oceanography*****
ENVR 1401 – Environmental Science I*****
GEOL 1405 – Environmental Science***** ***OR***
GISC 1411 – Introduction to Geographic Information Systems (GIS)*

*****There are several options to fulfill this requirement. See your academic advisor for a specific list. Elective courses should be selected according to the intended university to which you will transfer.

SEMESTER 5 ACTION ITEMS

1. After reviewing your 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 the college or university to where you will transfer.
4. Join the Alumni Network!

PATHWAY TOTAL: 62 SEMESTER CREDIT HOURS