



AS Geology to
Bachelor of Science in Geoscience
Science 8-12 Teaching Certification^T
Guided Pathway
Effective for the 2019-2020 Catalog



First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
^C MATH 1414	GEOL 1404 Historical Geology
GEOL 1403 Physical Geology	^C SPCH 1315, 1318 or 1321
^C ENGL 1301 Composition I	^C HIST 1302 United States History II
^C HIST 1301 United States History I	CHEM 1411 – College Chemistry I
BIOL 1406 – Biology for Science Majors (BIOL 1306+1106)	^C ENGL 1302 – Composition II

Total Semester Hours: 18

Total Semester Hours: 17

Second Year – Central Texas College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
GEOL 1405 – Introduction to Environmental Science	^C PHYS 1401 College Physics I
^C CHEM 1412 – College Chemistry II	^C GOVT 2306 Texas Government
^C GOVT 2305 Federal Government	^{C*} Language/Philosophy/Culture Studies
^{C*} Creative Arts Selection	^{C*} Social/Behavioral Science Selection
	^{C*} Component Area Option

Total Semester Hours: 14

Total Semester Hours: 16

AS: Geology

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

These courses may be completed at CTC (if offered) or TSU

BIOL 1407 – Biology for Science Majors II (BIOL 1307+1107)	CHEM 2423 – Organic Chemistry I (CHEM 2323+1123)
MATH 1316 Plane Trigonometry <u>OR</u> MATH 2412 Pre-Calculus <u>OR</u> MATH 2413 Calculus I	

Total Semester Hours: 11-12

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
PSYC 3303 Educational Psychology <u>OR</u> CHFS 3300 Child Development	EASC 4313 – Environmental Techniques (Spring Only)
EDUC 3321 – Foundations of Teaching: Middle and Secondary Classrooms	EASC 3320 – Astronomy (Fall Odd Years) <u>OR</u> EASC 3330 – Meteorology (Spring Even Years) <u>OR</u> EASC 3340 – Oceanography (Fall Odd Years) <u>OR</u> EASC 3350 – Environmental Science (Spring Even Years)
BIOL 4370 – Analysis of Biological Principles	EDUC 3330 – Models of Instruction
ENGL 3309 – Technical Writing and Document Design	READ 3351 – Content Area Literacy

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 4401 – Ecology	EDUC 4335 – Issues of Professionalism
EDUC 4331 – Instructional Strategies for Middle and Secondary Classrooms	EDUC 4690 – Clinical Teaching
EASC 3320 – Astronomy (Fall Odd Years) <u>OR</u> EASC 3330 – Meteorology (Spring Even Years) <u>OR</u> EASC 3340 – Oceanography (Fall Odd Years) <u>OR</u> EASC 3350 – Environmental Science (Spring Even Years)	
Advanced EASC/GEOL Elective	

Total Semester Hours: 13

Total Semester Hours: 9

TOTAL: 122-123

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

- * You may take a different course to meet this requirement. A specific list is available from your advisor.
- ^C This course counts for the Core Curriculum at any public college or university in Texas.
- () Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.
- ^T Degree availability varies by campus; consult www.tarleton.edu for more information.

For questions about the university portion of this pathway, contact the Department of Chemistry, Geosciences, and Physics at 254-968-9953.