



STEM

**Associate of Science
to
Bachelor of Science degree in Biology
Guided Pathway
Effective for the 2019-2020 catalog¹**



BHC CVC EFC ECC MVC NLC RLC

First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College²

FIRST SEMESTER		SECOND SEMESTER	
^C ENGL 1301 – Composition I (010)		^C ENGL 1302 – Composition II (010)	
^C CHEM 1411 – General Chemistry [#] (030)		^C HIST 1301 – United States History I (060)	
^C BIOL 1406 – Biology for Science Majors I (030)		^C CHEM 1412 – General Chemistry II	
EDUC 1300 – Learning Framework [@]		BIOL 1407 – Biology for Science Majors II	

Total Semester Hours: 14

Total Semester Hours: 14

SUMMER SEMESTER

^C ENGL 2332 – World Literature I* (040)	
^C HIST 1302 – United States History II* (060)	

Total Semester Hours: 6

Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College

It's best to apply to Texas Wesleyan a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER		SECOND SEMESTER	
^C PHED 1164 – Introduction to Physical Fitness and Wellness (090)		^C MATH 2413 – Calculus I [^] * (020)	
PHYS 1401 – College Physics I		^C GOVT 2306 – Texas Government	
^C PSYC 2301 – General Psychology* (080)		Choose One: ^C ARTS 1301 – Art Appreciation*, (050)	
		^C DANC 2303 – Dance Appreciation*, (050)	
		^C DRAM 1310 – Introduction to Theater*, (050)	
		^C HUMA 1315 – Fine Arts Appreciation*, (050)	
		^C MUSI 1306 – Music Appreciation* (050)	
^C GOVT 2305 – Federal Government (070)		PHYS 1402 – College Physics II	
^C SPCH 1311 – Introduction to Speech Communication* OR (090)			
^C SPCH 1315 – Public Speaking* OR (090)			
^C SPCH 1321 – Business and Professional Communication* (090)			

Total Semester Hours: 14

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Associate of Science (62 hours)

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

Third Year Courses – Texas Wesleyan University

FIRST SEMESTER		SECOND SEMESTER	
CHE 2416 – Organic Chemistry I (CHEM 2423)		CHE 2417 – Organic Chemistry II (CHEM 2425)	
BIO 2441 – Microbiology (ENG 3312 – Writing in Natural Sciences	
BIO 2320 - Biostatistics		BIO 2424 – Evolution & Ecology	
BIO 3431 – Molecular Genetics		BIO 3352 – Research Methods in Biology	
Activity Course (1 hour)		Elective (3 hours)	

Total Semester Hours: 16

Total Semester Hours: 17

Fourth Year Courses – Texas Wesleyan University

FIRST SEMESTER		SECOND SEMESTER	
CHE 4426 – Biochemistry I		BIO 4412 – Molecular Cell Biology	
BIO 4351 – Senior Research in Biology		BIO 4426 – Infection & Immunity	
BIO 3470 – Conservation Biology		Religion Credit (3 hours)	
Elective (3 hours)		Elective (3 hours)	

Total Semester Hours: 14

Total Semester Hours: 14

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

¹ 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.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven DCCCD colleges awarding the degree.

[@] 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. **Does not transfer to Texas Wesleyan.**

[^] To register for MATH 2413, students must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412

⁺ You should consider completing CHEM 2423 – Organic Chemistry I **AND** CHEM 2425 – Organic Chemistry II before transferring to a university.

[#] CHEM 1411 has a prerequisite of MATH 1314, or equivalent academic preparation, prior to enrolling in the course.

^C This course counts for the Core Curriculum at any public college or university in Texas.

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

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 2.00 on all college-level course work.

(j) Course numbers shown in parentheses are equivalent to these courses at Texas Wesleyan University.

Approved: 2019-2020 Guided Pathway