



STEM

BHC CVC EFC ECC MVC NLC RLC

# Associate of Science

to

## Bachelor of Science degree in Biology with Secondary Certification

### Guided Pathway

Effective for the 2019-2020 catalog<sup>1</sup>



Texas Wesleyan UNIVERSITY

### First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College<sup>2</sup>

FIRST SEMESTER		SECOND SEMESTER	
<sup>C</sup> ENGL 1301 – Composition I (010)		<sup>C</sup> ENGL 1302 – Composition II (010)	
<sup>C</sup> CHEM 1411 – General Chemistry* (030)		<sup>C</sup> HIST 1301 – United States History I (060)	
<sup>C</sup> BIOL 1406 – Biology for Science Majors I (030)		<sup>C</sup> CHEM 1412 – General Chemistry II	
<sup>C</sup> EDUC 1300 – Learning Framework <sup>ⓐ</sup>		<sup>C</sup> BIOL 1407 – Biology for Science Majors II	
<b>Total Semester Hours: 14</b>		<b>Total Semester Hours: 14</b>	

SUMMER SEMESTER	
<sup>C</sup> ENGL 2332 – World Literature I* (040)	
<sup>C</sup> HIST 1302 – United States History II* (060)	
<b>Total Semester Hours: 6</b>	

### 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	
<sup>C</sup> PHED 1164 – Introduction to Physical Fitness and Wellness (090)		<sup>C</sup> MATH 2413 – Calculus I <sup>ⓐ*</sup> (020)	
<sup>C</sup> PHYS 1401 – College Physics I		<sup>C</sup> GOVT 2306 – Texas Government (070)	
<sup>C</sup> PSYC 2301 – General Psychology* (080)		<b>Choose One:</b> <sup>C</sup> ARTS 1301 – Art Appreciation*, (050)	
		<sup>C</sup> DANC 2303 – Dance Appreciation*, (050)	
		<sup>C</sup> DRAM 1310 – Introduction to Theater*, (050)	
		<sup>C</sup> HUMA 1315 – Fine Arts Appreciation*, (050)	
		<sup>C</sup> MUSI 1306 – Music Appreciation* (050)	
<sup>C</sup> GOVT 2305 – Federal Government (070)		<sup>C</sup> PHYS 1402 – College Physics II	
<sup>C</sup> SPCH 1311 – Introduction to Speech Communication* OR (090)			
<sup>C</sup> SPCH 1315 – Public Speaking* OR (090)			
<sup>C</sup> SPCH 1321 – Business and Professional Communication* (090)			
<b>Total Semester Hours: 14</b>		<b>Total Semester Hours: 14</b>	

### 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.

### Summer before Third Year Courses – Texas Wesleyan University

SUMMER SEMESTER	
<sup>C</sup> BIO 2401 – Anatomy & Physiology I (BIOL 2401)	
<sup>C</sup> BIO 2402 – Anatomy & Physiology II (BIOL 2402)	
<b>Total Semester Hours: 8</b>	

### Third Year Courses – Texas Wesleyan University

FIRST SEMESTER		SECOND SEMESTER	
<sup>C</sup> CHE 2416 – Organic Chemistry I (CHEM 2423)		<sup>C</sup> ENG 3312 – Writing in Natural Sciences	
<sup>C</sup> BIO 2441 – Microbiology (BIOL 2421)		<sup>C</sup> BIO 2424 – Evolution & Ecology	
<sup>C</sup> BIO 2320 – Biostatistics		<sup>C</sup> BIO 3352 – Research Methods in Biology	
<sup>C</sup> EDU 2100 – Foundations of Education		<sup>C</sup> NSC 4301 – Teaching Science in the Secondary Classroom	
<sup>C</sup> EDU 3338 – Computers as Classroom Tool		<sup>C</sup> Religion Class (3 hours)	
<b>Total Semester Hours: 11</b>		<b>Total Semester Hours: 16</b>	

### Summer before Fourth Year Courses – Texas Wesleyan University

SUMMER SEMESTER	
<sup>C</sup> EDU 4331 – Differentiating Instruction in Mixed-Ability K-12	
<b>Total Semester Hours: 3</b>	

### Fourth Year Courses – Texas Wesleyan University

FIRST SEMESTER		SECOND SEMESTER	
<sup>C</sup> BIO 3470 – Conservation Biology		<sup>C</sup> BIO 4412 – Molecular Cell Biology	
<sup>C</sup> BIO 3431 – Molecular Genetics		<sup>C</sup> BIO 4426 – Infection & Immunity	
<sup>C</sup> EDU 3310 – Studies in Multicultural Education		<sup>C</sup> EDU 4604 – Clinical Teaching in Secondary School	
<sup>C</sup> EDU 3342 – Instruction, Assessment & Classroom Management		<sup>C</sup> BIO 4120 – Biology Certification Review	
<sup>C</sup> EDU 3308 – Teaching the Exceptional Child		<sup>C</sup> RDG 4347 – Reading in the Content Area	
<b>Total Semester Hours: 18</b>		<b>Total Semester Hours: 18</b>	

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

<sup>1</sup> 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.

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

<sup>ⓐ</sup> 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 University.

<sup>ⓐ</sup> To register for MATH 2413, students must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412

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

<sup>#</sup> CHEM 1411 has a prerequisite of MATH 1314, or equivalent academic preparation, prior to enrolling in the course.

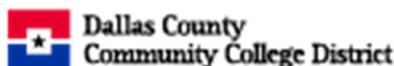
<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.

<sup>\*</sup> 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.

<sup>()</sup> Course numbers shown in parentheses are equivalent to these courses at Texas Wesleyan University.

Approved: 2019-2020 Guided Pathway



For questions about the University portion of this guided pathway, Contact the Office of Admissions at (817) 531-4422 or [admissions@txwes.edu](mailto:admissions@txwes.edu).