



STEM

BHC CVC EFC ECC MVC NLC RLC

**Associate of Science  
to  
Bachelor of Science in Biochemistry  
Guided Pathway  
Effective for the 2019-2020 catalog<sup>1</sup>**



**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)
EDUC 1300 – Learning Framework <sup>@</sup>	MATH 2414 – Calculus II
<sup>C</sup> MATH 2413 – Calculus I <sup>^</sup> * (020)	<sup>C</sup> CHEM 1412 – General Chemistry II (030)
<sup>C</sup> CHEM 1411 – General Chemistry I (030)	<sup>C</sup> HIST 1301 – United States History I <sup>*</sup> (060)
Total Semester Hours: 14	Total Semester Hours: 14

SUMMER SEMESTER
<b>Choose One:</b> <sup>C</sup> ARTS 1304 – Art History II <sup>*</sup> (050), <sup>C</sup> DRAM 1310 – Introduction to Theater <sup>*</sup> (050), <sup>C</sup> MUSI 1306 – Music Appreciation <sup>*</sup> (050)
<sup>C</sup> HIST 1302 – United States History II <sup>*</sup> (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
CHEM 2423 – Organic Chemistry I	CHEM 2425 – Organic Chemistry II
<b>Choose One:</b> <sup>C</sup> ENGL 2332 – World Literature I <sup>*</sup> (040) <sup>C</sup> PHIL 1301 – Introduction to Philosophy <sup>*</sup> (040) <sup>C</sup> PHIL 2306 – Introduction to Ethics <sup>*</sup> (040)	<b>Choose One:</b> <sup>C</sup> ANTH 2346 – General Anthropology <sup>*</sup> (080) <sup>C</sup> ECON 2301 – Principles of Macroeconomics <sup>*</sup> (080) <sup>C</sup> PSYC 2301 – General Psychology <sup>*</sup> (080) <sup>C</sup> SOCI 1301 – Introduction to Sociology <sup>*</sup> (080)
BIOL 1406 – Biology for Science Majors I	<sup>C</sup> GOVT 2306 – Texas Government (070)
<sup>C</sup> GOVT 2305 – Federal Government (070)	<sup>C</sup> SPCH 1311 – Introduction to Speech Communication <sup>*</sup> (090) <b>OR</b> <sup>C</sup> SPCH 1315 – Public Speaking <sup>*</sup> (090)
<sup>C</sup> PHED 1164 – Introduction to Physical Fitness and Wellness (090)	
Total Semester Hours: 15	Total Semester Hours: 13

**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
ENG 3312 – Writing in the Natural Sciences	BIO 1420 – Introduction to Biology II (BIOL 1407)
BIO 2441 – Microbiology (BIOL 2421)	PHY 1402 – University Physics II (PHYS 1402)
PHY 1401 – University Physics I (PHYS 1401)	CHE 3142 – Research Methods
CHE 3101 – Seminar in Chemistry	CHE 3406 – Physical Chemistry II
CHE 3405 – Physical Chemistry I	CHE 3251 – Introduction to Research in Chemistry
Total Semester Hours: 16	Total Semester Hours: 15

**Fourth Year Courses – Texas Wesleyan University**

FIRST SEMESTER	SECOND SEMESTER
CHE 4426 – Biochemistry I	CHE 4427 – Biochemistry II
CHE 4251 – Senior Research in Chemistry	CHE 4412 – Advanced Instrumental Analysis
CHE 3418 – Analytical Chemistry	CHE 4248 – Applied Research Methods
CHE 4331 – Advanced Inorganic Chemistry	REL 1313 – Ethics (PHIL 2306)
Elective (3 hours)	Activity Course (1 hour)
Total Semester Hours: 18	Total Semester Hours: 14

**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.

<sup>1</sup> 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 colleges of the DCCCD awarding the degree.

<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 PHYS 2426 University Physics II before transferring to a university.

<sup>++</sup> Choose the appropriate course option based on the university to which you will transfer. See your academic advisor for specific details.

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

<sup>@</sup> All college students with fewer than 12 semester credit hours of successful college credit (grade of "C" or above) should take a student success course in the first semester.

**Does not Transfer to Texas Wesleyan.**

<sup>\*</sup> There are several options to fulfill this requirement. See your academic advisor for a specific list. **Texas Wesleyan Recommends choosing ENGL 2332 as it is a pre-requisite for an upper level class.**

*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.*

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

Approved: 2019-2020 Guided Pathway