



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



STEM  
 BHC CVC EFC ECC MVC NLC RLC

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

FIRST SEMESTER		SECOND SEMESTER	
°ENGL 1301 – Composition I (010)		°ENGL 1302 – Composition II (010)	
°MATH 2413 – Calculus I <sup>▲*</sup> (020)		°HIST 1301 – United States History I (060)	
EDUC 1300 – Learning Framework <sup>@</sup>		MATH 2414 – Calculus II	
°CHEM 1411 – General Chemistry I (030)		°CHEM 1412 – General Chemistry II (030)	
Total Semester Hours: 14		Total Semester Hours: 14	
SUMMER SEMESTER			
°HIST 1302 – United States History II* (060) <b>OR</b> °HIST 2301 – Texas History* (060)			
°GOVT 2305 – Federal Government (070)			
Total Semester Hours: 7			

**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	
<b>Choose One:</b> °ENGL 2331 – World Literature* (040) °PHIL 1301 – Introduction to Philosophy* (040) °PHIL 2306 – Introduction to Ethics* (040)		CHEM 2425 – Organic Chemistry II <sup>++</sup>	
°GOVT 2306 – Texas Government (070)		PHYS 2425 – University Physics I	
CHEM 2423 – Organic Chemistry I <sup>++</sup>		<b>Choose One:</b> °ANTH 2346 – General Anthropology* (080) °COMM 1307 – Introduction to Mass Communication* (080) °ECON 2301 – Principles of Macroeconomics* (080) °PSYC 2301 – General Psychology* (080) °SOCI 1301 – Introduction to Sociology* (080)	
<b>Choose One:</b> °ARTS 1301 – Art Appreciation* (050) °DANC 2303 – Dance Appreciation I* (050) °DRAM 1310 – Introduction to Theater* (050) °MUSI 1306 – Music Appreciation* (050)		°PHED 1164 – Introduction to Physical Fitness and Wellness (090)	
°SPCH 1311 – Introduction to Speech Communication* (090) <b>OR</b> °SPCH 1315 – Public Speaking* (090)			
Total Semester Hours: 16		Total Semester Hours: 12	

**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		CHE 3142 – Research Methods	
CHE 3101 – Seminar in Chemistry		CHE 3251 – Introduction to Research in Chemistry	
CHE 3405 – Physical Chemistry I		CHE 3406 – Physical Chemistry II	
PHY 1401 – University Physics I (PHYS 1401)		PHY 1402 – University Physics II (PHYS 1402)	
Elective (3 hours)		CHE 2341 – Advanced Organic Chemistry	
Total Semester Hours: 15		Total Semester Hours: 14	

**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)		Elective (3 hours)	
Total Semester Hours: 16		Total Semester Hours: 16	

**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.

**Does not transfer to Texas Wesleyan.**

<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.

<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> Consider completing ENGL 2311, MATH 2318, MATH 2415, & PHYS 2426 prior to transferring to a university. 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.

\* 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.**

<sup>++</sup> Depending on which university you plan to attend, CHEM 2423 & CHEM 2425 **may not** be required prior to transfer. See your academic advisor for specific details.

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