

Associate of Science to Bachelor of Science in Chemistry Guided Pathway Effective for the 2019-2020 catalog¹



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| 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 MATH 2413 – Calculus I ^{**} (020) | CHIST 1301 – United States History I (060) | |
| EDUC 1300 – Learning Framework [@] | MATH 2414 – Calculus II | |
| ^c CHEM 1411 – General Chemistry I (030) | ^c CHEM 1412 – General Chemistry II (030) | |
| Total Semester Hours: 14 Total Semester Hours: 14 | | |
| SUMMER SEMESTER | | |
| ^C HIST 1302 – United States History II* (060) <u>OR</u> ^C HIST 2301 – Texas History* (060) | | |
| ^c GOVT 2305 – Federal Government (070) | | |
| Total Semester Hours: 7 | | |
| Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College | | |
| | nsfer. It will help if you submit a copy of this pathway with your application. | |
| FIRST SEMESTER | SECOND SEMESTER | |
| <u>Choose One:</u> ^c ENGL 2331 – World Literature* (040) | | |
| ^c PHIL 1301 – Introduction to Philosophy* (040) ^c PHIL 2306 – Introduction to Ethics* (040) | CHEM 2425 – Organic Chemistry II++ | |
| ^c GOVT 2306 – Texas Government (070) | PHYS 2425 – University Physics I | |
| | <u>Choose One:</u> ^C ANTH 2346 – General Anthropology* (080) | |
| | ^c COMM 1307 – Introduction to Mass Communication* (080) | |
| CHEM 2423 – Organic Chemistry I++ | ^c ECON 2301 – Principles of Macroeconomics* (080) | |
| | ^c PSYC 2301 – General Psychology* (080) | |
| | ^c SOCI 1301 – Introduction to Sociology* (080) | |
| <u>Choose One:</u> CARTS 1301 – Art Appreciation* (050) | | |
| ^c DANC 2303 – Dance Appreciation I* (050) | ^c PHED 1164 – Introduction to Physical Fitness and Wellness (090) | |
| ^c DRAM 1310 – Introduction to Theater* (050) | ······································ | |
| ^c MUSI 1306 – Music Appreciation* (050) ^c SPCH 1311 – Introduction to Speech Communication* (090) <u>OR</u> | | |
| ^c 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 | |
| | | |

| 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.

1 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 colleges of the DCCCD awarding the degree. Does not transfer to Texas Wesleyan.

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

+ Consider completing ENGL 2311, MATH 2318, MATH 2415, & PHYS 2426 prior to transferring to a university. See your academic advisor for specific details.

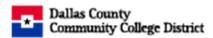
C This course counts for the Core Curriculum at any public college or university in Texas.

* There are several options to fulfill this requirement. See your academic advisor for a specific list. Texas Wesleyan Recommends choosing ENGL 2332 as it is a prerequisite for an upper level class.

++ 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

CHE 4331 – Advanced Inorganic Chemistry



REL 1313 - Ethics (PHIL 2306)