



Texas Wesleyan University & Dallas College  
**Chemistry (BS)**  
 Transfer Equivalency Worksheet 2020-2021\*



Texas Wesleyan Course #	Course Name	Dallas College Equivalent #	Hours Needed
<b>General Education Requirements (45-46 Hours)</b>			
<b>Language Literacy (12 Hours)</b>			
ENG 1301	Composition & Rhetoric	ENGL 1301	3
ENG 1302	Composition & Literature	ENGL 1302	3
ENG 2324, 2326, 2327, or 2328	One sophomore level literature or creative writing course	ENGL 2307, 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, <b>OR</b> 2341	3
HUM 2340 or 2341	One Interdisciplinary Integrative course	HUMA 1302	3
<b>Analytic Literacy (10-11 Hours)</b>			
One or Two from MAT 1302 and/or higher level math*	One or Two Math courses (College Algebra or higher)	MATH 1314, 1414 <b>OR</b> 1324 and/or higher level math	3-6
CHE 1415+1415L*, 1416+1416L*, PHY 1401*, 1402*	One or Two 4 hour Biology, Chemistry, Geology, Natural Science, or Physics lab sciences	CHEM 1411*, 1412*, PHYS 1401*, 1402*	4-8
<b>Cultural Literacy (12 Hours)</b>			
HIS 2324	Fundamentals of Modern American History	HIST 1302	3
FAR, MUS, or THA	One 3 hour Art, Fine Arts, Music, or Theatre course	ARTS, MUSI, DRAM, HUMA 1315	3
REL 1311, 1312, 1313, 1321, 1323	One 3 hour Religion course	PHIL 1304 or 2306	3
FAR, MUS, THA, HIS 2321, 2301, 2303, PHI 2301, 2321, REL 1311, 1312, 1313, 1321, or SPC 1301	One additional Cultural Literacy Course	ARTS, MUSI, DRAM, HIST 1301, 2321, 2322, PHIL 1301, 1304, 2303, 2307, SPCH 1311, 1315, 1318, 1321	3
<b>Social Literacy (10-11 Hours)</b>			
EXS 1220	Basic Concepts of Health & Physical Education	KINE 1338 or PHED 1164	1
BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2390	Three courses with at least two areas represented	BUSI 1301, ECON 2301, GOVT 2306, GEOG 1302, 1303, PSYC 2301, ANTH 2346, SOCI 1301, 1306, 2319	9
<b>Required Related Courses (9-17 Hours) *Some courses listed in Required Related Courses may be used to fulfill GEC.</b>			
ENG 3312	Writing in the Natural Sciences		3
MAT 1324 *	Calculus I	MATH 2413*	3
MAT 1325 *	Calculus II	MATH 2414*	3
PHY 1401*	University Physics I	PHYS 1401*	0-4
PHY 1402*	University Physics II	PHYS 1402*	0-4
<b>Major Requirements (42-51 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC.</b>			
CHE 1415+1415L*	General Chemistry I with Lab	CHEM 1411*	0-4
CHE 1416+1416L*	General Chemistry II with Lab	CHEM 1412*	0-4
CHE 2416+2416L	Organic Chemistry I with Lab	CHEM 2423	4
CHE 2417+2417L	Organic Chemistry II with Lab	CHEM 2425	4
CHE 3101	Seminar in Chemistry		1
CHE 3142	Research Methods		1
CHE 3251	Research in Chemistry		2
CHE 3405	Physical Chemistry I with Lab		4
CHE 3406	Physical Chemistry II with Lab		4
CHE 3418	Analytical Chemistry with Lab		4
CHE 4248	Applied Research Methods		2
CHE 4251	Research in Chemistry		2
CHE 4331	Advanced Inorganic Chemistry		3
CHE 4412	Advanced Instrumental Analysis with Lab		4
<b>7-8 hours from the following courses:</b>			
CHE 4426	Biochemistry I with Lab		7-8
CHE 4427	Biochemistry II with Lab		
CHE 4341	Advanced Organic Chemistry		
<b>Electives (15 Hours)</b>			<b>15</b>
<b>Total Hours Needed</b>			<b>120</b>

\*Course equivalencies are subject to change based on the catalog year. For the most up to date information, contact the Office of Admissions at 817-531-4422 or [www.txwes.edu/admissions](http://www.txwes.edu/admissions)