

Associate of Arts in Teaching, Leading to Initial Texas Teacher Certification in Mathematics, 8-12 to Bachelor of Science in Mathematics with Secondary Certification Guided Pathway Effective for the 2019-2020 catalog¹



⇒BHC =CVC =EFC =ECC = NLC = RLC

First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, North Lake, and Richland College²

FIRST SEMESTER		SECOND SEMESTER		
^c ENGL 1301 – Composition I	(010)	^c ENGL 1302 – Composition II	(010)	
^c HIST 1301 – United States History I	(060)	^c GOVT 2305 – Federal Government	(070)	
^c MATH 1316 – Plane Trigonometry*^+	(020)	^c HIST 1302 – United States History II*	(060)	
^c SPCH 1311 – Introduction to Speech Communication <i>OR</i>	(090)	^c Humanities Elective*	(040)	
^c SPCH 1315 – Public Speaking OR	(090)			
^c SPCH 1321 – Business and Professional Communication	(090)			
^c Social/Behavioral Sciences Core Elective*	(080)	MATH 2412 – Pre-Calculus Math*+		
^c PHED 1164 – Introduction to Physical Fitness and Wellness (090)				
Total Semester Hours: 16		Total Semester Hours: 16		
Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, 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 SEMEST	ER	
^c GOVT 2306 – Texas Government	(070)	MATH 2414 –Calculus II*#+		
EDUC 1301 – Introduction to the Teaching Profession		EDUC 2301 – Introduction to Special Populations		
^c Core Science Elective* (4 hours)	(030)	^c Core Science Elective* (4 hours)	(030)	
MATH 2413 –Calculus I*+		^c Fine Arts Elective*	(050)	

Total Semester Hours: 14

Total Semester Hours: 14

Associate of Arts in Teaching, Leading to Initial Texas Teacher Certification in Mathematics, 8-12 (60 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

Third Teal Courses – Texas wesleyan oniversity		
FIRST SEMESTER	SECOND SEMESTER	
Religion Credit (3 hours – PHIL 1304, 2306)	PHY 1402 – University Physics (PHYS 1402)	
PHY 1401 – University Physics (PHYS 1401)	EDU 2100 – Foundations of Education	
MAT 2331 – Calculus III (MAT 2415)	EDU 3338 – Computers as a Classroom Tool	
MAT 3321 – Linear Algebra	MAT 3336 – Modern Algebra	
MAT 3311 – Intro Probability Statistics	EDU 3342 – Inst/Assess/Classroom Management Secondary	
Total Semester Hours: 16	Total Semester Hours: 14	

SUMMER TERM

MAT 3341 – Geometry for Classroom Teachers

COSC 1315 – Introduction to Computer Programming (at DCCCD) OR COSC 1436 – Programming Fundamentals I (at DCCCD)

Total Semester Hours: 6-7

Fourth Year Courses – Texas Wesleyan University

FIRST SEMESTER	SECOND SEMESTER	
MAT 4380 – Teaching Math in Secondary School	RDG 4347 – Reading in the Content Area	
MAT 4190 – Capstone in Teaching Math in Secondary School	EDU 4604 – Clinical Teaching in Secondary School	
EDU 4331 – Instruction in Mixed-Ability K-12 Classrooms	Senior Level Math Elective (3 hours)	
Sophomore Level Math Elective (3 hours)		
Junior Level Math Elective (3 hours)		

Total Semester Hours: 13

Total Semester Hours: 12

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

1 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.

2 Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven DCCCD college colleges awarding the degree.

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

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

^ Requires MATH 1314 as a pre-requisite.

+ Consult with your academic advisor to choose an appropriate MATH Sequence based on the university to which you plan to transfer.

You should consider completing MATH 2415 – Calculus III to conclude the course sequence before transferring to a university.

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

