Texas Wesleyan University & Austin Community College
Computer Science (BS)
Transfer Equivalency Worksheet 2020-2021*

Texas Wesleyan Course #	Course Name	ACC Equivalent #	Hours Needed
General Education Requirements (45-46 Hours)			
Language Literacy (12 Hours)			
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, 2322, 2323, 2327, 2328, 2332, or 2333	3
HUM 2340 or 2341	One Interdisciplinary Integrative course	HUMA 1301 or 1302	3
Analytic Literacy (10-11 Hours)			
MAT 1302 **OR** higher level math*	One or Two Math courses (College Algebra or higher)	MATH 1314 **OR** 1324 and/or higher*	3-6
One or Two from BIO, CHE, GEO, NSC, PHY	One or Two 4 hour Biology, Chemistry, Geology, Natural Science, or Physics lab sciences	Refer to online guide: www.txwes.edu/yourcredits	4-8
Cultural Literacy (12 Hours)			
HIS 2324	Fundamentals of Modern American History	HIST 1302	3
FAR, MUS or THA	One 3 hour 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, 1323, or SPC 1301	One additional Cultural Literacy Course	ARTS, MUSI, DRAM, HIST 1301, 2321, 2322, PHIL 2303, 1301, 1316, 1317, 2306, 1304, SPCH 1311, 1315, 1318, 1321	3
Social Literacy (10-11 Hours)			
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, MCO, 1302, 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
Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC.			
MAT 1324*	Calculus I	MATH 2413*	3
MAT 1325*	Calculus II	MATH 2414*	3
MAT 3311	Introduction to Probability and Statistics		3
MAT 3321	Linear Algebra		3
MAT 3381	Discrete Mathematics		3
Major Requirements (42 Hours)			
CSC 1321	Computer Programming with C++	**COSC** 1336 **ITSE** 1330, 2321, or 2359	3
CSC 1322	Advance Programming with C++	**COSC** 1337	3
CSC 1330	Assembly Language Programming	**COSC** 2325	3
CSC 2310	Computer Organization		3
CSC 2320	Data Structures	**COSC** 2436	3
CSC 2340	Object-Oriented Programming and Design	**ITSE** 2317	3
CSC 3320	Programming Language Concepts		3
CSC 3360	Design and Analysis of Algorithms		3
CSC 3391	Operating Systems		3
CSC 4383	Software Engineering		3
CSC 4384	Senior Project		3
9 Hours from the following Courses:			
CSC 4320	Artificial Intelligence		9
CSC 4341	Prinicples of Database Systems		
CSC 4351	Computer Graphics		
CSC 4360	Computer Networks		
CSC 4371	Numerical Analysis		
CSC 4391	Comtemporary Topics in Computer Science		
Electives (17-18 Hours)			
At least 3 hours must be taken outside of the major. Student considering graduate school or work with scientific applications are strongly encouraged to complete CSC 4371 and any other mathematics/computer science electives available.			
Total Hours Needed			**120**

*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

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