

Texas Wesleyan University & Dallas College Computer Science (BS)



Transfer Equivalency Worksheet 2020-2021*

HUM 2340 or 2341		COLLEGE	Transfer Equivalency Worksheet 2020-2021	UNIVERSITY
Language Literacy (12 Hours)	Hours Needed	Dallas College Equivalent #	Course Name	Texas Wesleyan Course #
Language Literacy (12 Hours)	Needed		46 Hours)	General Education Requirements (45-4
ENG 1301 Composition & Rhetoric ENG 1302 Composition & Rhetoric ENG 1302 Composition & Literature ENG 1302 ENG 2324, 2326, 2327, 2328 and Sulterature or creative writing course ENG 2307, 2321, 2322, 2323, 2322, 2323, 2327, 2328, 2331, 2332, 2332, 2333, 0R.2 Analytic Literacy (10-11 Hours) One or Two from MAT 1302 and/or higher level math* One or Two from MAT 1302 and/or higher level math* One or Two from BIO, CHE, NSC, PHY Physics lab sciences One or Two from BIO, CHE, NSC, PHY Physics lab sciences Fundamentals of Modern American History Analytic Physics lab sciences Fundamentals of Modern American History HIST 1302, 2416, 2421, CHEM 1411, 141, 1422, 2425, PHYS 1401, 1402, 1403, 1404, ENVR 1401 Cultural Literacy (12 Hours) Fundamentals of Modern American History ARTS, MUSI, DRAM, HUMA 1315 REL 1311, 1312, 1313, 1321, 1323 PHI 2301, 2321, REL 1311, 1312, 1313, 1321, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1313, 1312, 1313, 1312, 1313, 1312, 1313,			,	
ENG 1302 ENG 2324, 2326, 2327, or 2328 One sophomore level literature or creative writing course HUM 2340 or 2341 Analytic Literacy (10-11 Hours) One or Two from MAT 1302 and/or higher level math* One or Two from MAT 1302 and/or higher level math* One or Two from BIO, CHE, NSC, PHY One or Two from BIO, CHE, NSC, PHY HIS 2324 Fundamentals of Modern American History HIS 2324 FAR, MUS, or THA REL 1311, 1312, 1313, 1321, 1323 One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUS, DRAM, HUMA 1315 FAR, MUS, DRAM, HIS 2321, 2301, 2303, PHI 2301, 2321, REL 1311, 1312, 1313, 1321 One additional Cultural Literacy (10-11 Hours) Basic Concepts of Health & Physical Education Busi 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 2300, 2301, 2321 RAT 13244 Calculus II MAT 1325* Calculus II MAT 1325* Calculus II Introduction to Probability and Statistics MAT 1325* Computer Programming with C++ COSC 1436, ITSE 2441, CHE2 445 Computer Organization COSC 2425, ITSE 2447 Computer Organization COSC 2436, ITSE 2445 CosC 2340 Obat Structures COSC 2446 Object-Oriented Programming and Design COSC 2446 COSC 2446 COSC 2446 Object-Oriented Programming and Design COSC 2446 COSC 2447 COSC	3	ENGL 1301	Composition & Rhetoric	
ENG 2324, 2326, 2327, or 2328 One sophomore level literature or creative writing course HUM 2340 or 2341 One Interdisciplinary Integrative course HUMA 1302 Analytic Literacy (10-11 Hours) One or Two from MAT 1302 and/or higher level math* One or Two from MAT 1302 and/or higher level math* One or Two from BIO, CHE, NSC, PHY One or Two from BIO, CHE, NSC, PHY Possible Sciences One or Two 4 hour Biology, Chemistry, Natural Science, or Physics lab sciences Physics lab sciences One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUS, Or THA One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUSI, DRAM, HIST 1302, 303, PHI 1304, 2303, 2307, 1321, or SPC 1301 Social Literacy (10-11 Hours) Basic Concepts of Health & Physical Education MATH 1314, 1414 OR 1324 and/or higher level math BIOL 1406, 1407, 1408, 1409, 2401, 2403, 2402, 2416, 2421, CHEM 1411, 141 ARTS, MUSI, DRAM, HUMA 1315 One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUSI, DRAM, HIST 1302, 330, 1321, or SPC 1301 Social Literacy (10-11 Hours) Basic Concepts of Health & Physical Education KINE 1338 or PHED 1164 BUSI 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2399 Basic Concepts of Health & Physical Education KINE 1338 or PHED 1164 BUSI 1301, ECON 2301, FIN 1325, POL 2306, GEOG 1302, 1303, PSYC 2301 ARTH 2346, 2351, SOCI 1301, 1306 2319 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1321 Calculus II MAT 3321 Linear Algebra Discrete Mathematics Major Requirements (42 Hours) COSC 1436 (TSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1320 Computer Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3		<u>'</u>	
Contact Cont			, , , , , , , , , , , , , , , , , , , ,	
Analytic Literacy (10-11 Hours) One or Two from MAT 1302 and/or higher level math* One or Two from MAT 1302 and/or higher level math* One or Two from MBIO, CHE, NSC, PHY Physics lab sciences One or Two 4 hour Biology, Chemistry, Natural Science, or Physics lab sciences One or Two 4 hour Biology, Chemistry, Natural Science, or Physics lab sciences Usural Literacy (12 Hours) HIS 2324 Fundamentals of Modern American History HIS 1302 FAR, MUS, or THA One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUS, DRAM, HUMA 1315 REL 1311, 1312, 1313, 1321, 1323 PHI 2301, 2321, REL 1311, 1312, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1313, 1321 EXS 1220 Basic Concepts of Health & Physical Education EXS 1220 Basic Concepts of Health & Physical Education EXS 1220 Basic Concepts of Health & Physical Education EXS 1220 Three courses with at least two areas represented ANTH 2346, 2351, SOCI 1301, 1306, 2302, 2390 Three courses with at least two areas represented ANTH 2346, 2351, SOCI 1301, 1306, 2302, 2309 ANTH 2342 Calculus I Introduction to Probability and Statistics MAT 3321 Linear Algebra Discrete Mathematics MAT 3321 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1320 Data Structures CSC 2340 Object-Oriented Programming and Design ITSE 2447	41 3	ENGL 2307, 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, OR 2341	One sophomore level literature or creative writing course	ENG 2324, 2326, 2327, or 2328
Analytic Literacy (10-11 Hours) One or Two from MAT 1302 and/or higher level math* One or Two from MAT 1302 and/or higher level math* One or Two from MBIO, CHE, NSC, PHY Physics lab sciences One or Two 4 hour Biology, Chemistry, Natural Science, or Physics lab sciences One or Two 4 hour Biology, Chemistry, Natural Science, or Physics lab sciences Usural Literacy (12 Hours) HIS 2324 Fundamentals of Modern American History HIS 1302 FAR, MUS, or THA One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUS, DRAM, HUMA 1315 REL 1311, 1312, 1313, 1321, 1323 PHI 2301, 2321, REL 1311, 1312, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1321, 1313, 1313, 1321 EXS 1220 Basic Concepts of Health & Physical Education EXS 1220 Basic Concepts of Health & Physical Education EXS 1220 Basic Concepts of Health & Physical Education EXS 1220 Three courses with at least two areas represented ANTH 2346, 2351, SOCI 1301, 1306, 2302, 2390 Three courses with at least two areas represented ANTH 2346, 2351, SOCI 1301, 1306, 2302, 2309 ANTH 2342 Calculus I Introduction to Probability and Statistics MAT 3321 Linear Algebra Discrete Mathematics MAT 3321 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1320 Data Structures CSC 2340 Object-Oriented Programming and Design ITSE 2447	3	HUMA 1302	One Interdisciplinary Integrative course	HUM 2340 or 2341
One or Two from MAT 1302 and/or higher level math* One or Two Math courses (College Algebra or higher) MATH 1314, 1414 OR 1324 and/or higher level math all plot 1407, 1408, 1409, 2401, 2402, 2416, 2421, CHEM 1411, 141 2423, 2425, PHYS 1401, 1402, 1403 1404, ENVR 1401 Cultural Literacy (12 Hours) Fundamentals of Modern American History HIS 2324 Fundamentals of Modern American History HIS 1302 ARTS, MUSI, DRAM, HUMA 1315 REL 1311, 1312, 1313, 1321, 1323 One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUSI, DRAM, HUMA 1315 PHIL 1304 or 2306 FAR, MUS, THA, HIS 2321, 2301, 2303, PHI 2301, 2321, REL 1311, 1312, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1313, 1322, 1314, 1314, 1312, 1313, 1322, 1314, 1314, 1312, 1313, 1322, 1314, 1312, 1313, 1322, 1314, 1314, 1312, 1313, 1322, 1314, 1314, 1312, 1313, 1322, 1314, 1314, 1312, 1313, 1322, 1314, 1314, 1312, 1313, 1322, 1314, 1314, 1312, 1314, 1312, 1314, 1314, 1312, 1314, 1312, 1314, 1312, 1314, 1312, 1313, 1322, 1314,				
Inger level math Inger level		MATH 1314, 1414 OR 1324 and/or		
BIOL 1406, 1407, 1408, 1409, 2401, 2402, 2416, 2421, CHEM 1411, 141	3-6	higher level math	One or Two Math courses (College Algebra or higher)	higher level math*
One or Two from BIO, CHE, NSC, PHY One or Two 4 hour Biology, Chemistry, Natural Science, or Physics lab sciences 2402, 2416, 2421, CHEM 1411, 141 2423, 2425, PHYS 1401, 1402, 1403 1404, ENVR 1401 Cultural Literacy (12 Hours) HIS 2324 Fundamentals of Modern American History HIST 1302 FAR, MUS, or THA One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUSI, DRAM, HUMA 1315 FAR, MUS, THA, HIS 2321, 2301, 2303, One 3 hour Religion course PHIL 1304 or 2306 FAR, MUS, THA, HIS 2321, 2301, 2303, One additional Cultural Literacy Course BASIS 1301, 2324, REL 1311, 1312, 1313, 1321, 1313, 1321, 1313, 1312, 1313, 1321, 1313, 1314, 1315 Social Literacy (10-11 Hours) EXS 1220 Basic Concepts of Health & Physical Education BUSI 1301, ECON 2301, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2309 Three courses with at least two areas represented Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* MAT 1325* Calculus I MAT 3311 Introduction to Probability and Statistics MAT 3321 Linear Algebra MAT 3321 Linear Algebra MAT 3321 Linear Algebra MAT 3321 Computer Programming with C++ COSC 1321 Computer Programming with C++ COSC 1325, 1TSE 2431, 2439, or 245 CSC 2310 Computer Organization COSC 2426, ITSE 2437 COSC 2436, ITSE 2435 COSC 2436 Object-Oriented Programming and Design ITSE 2417				
Physics lab sciences			One or Two 4 hour Biology, Chemistry, Natural Science, or	l
Cultural Literacy (12 Hours) HIST 3224 Fundamentals of Modern American History FAR, MUS, or THA One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUSI, DRAM, HUMA 1315 REL 1311, 1312, 1313, 1321, 1323 One 3 hour Religion course PHIL 1304 or 2306 ARTS, MUSI, DRAM, HIST 1301, 232 ARTS, MUSI, DRAM, HIST 1301, 233 ARTS, MUSI, DRAM, HIST 1301, 233 ARTS, MUSI, DRAM, HIST 1301, 232 ARTS, MUSI, DRAM, HIST 1301, 233 ARTS, MUSI, DRAM, HIST 1301, 230 ARTS, MUSI, DRAM, HIST 1301, 2303 ARTS, MUSI, DRAM, HIST 1301, 2303 ARTS, MUSI, DRAM, HIST 1301, 230 ARTS, MUSI, DRAM, HIST 1301, 2303 ARTS, MUSI, DRAM, HIST 1301, 230 ARTS, MUSI, DRAM, HIST 1301, 2303 ARTS, MUSI, DRAM, HIST 1301, 230 ARTS, MUSI, DRAM, HIST 1301, 232 ARTS, MUSI,	4-8	1		One or Two from BIO, CHE, NSC, PHY
Cultural Literacy (12 Hours) HIS 2324 Fundamentals of Modern American History HIST 1302 FAR, MUS, or THA One 3 hour Art, Fine Arts, Music, or Theatre course ARTS, MUSI, DRAM, HUMA 1315 REL 1311, 1312, 1313, 1321, 1323 One 3 hour Religion course PHIL 1304 or 2306 FAR, MUS, THA, HIS 2321, 2301, 2303, PHI 2301, 2321, REL 1311, 1312, 1313, 1312, 1313, 1321, 1312, 1313, 1321, 1312, 1313, 1321, 1312, 1313, 1321, 1312, 1313, 1321, 1313, 1321, 1314, 1321 One additional Cultural Literacy Course 2322, PHIL 1301, 1304, 2303, 2307, 5PCH 1311, 1315, 1318, 1321 Social Literacy (10-11 Hours) EXS 1220 Basic Concepts of Health & Physical Education KINE 1338 or PHED 1164 BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2302, 2301, 2302, 2301 ANTH 2346, 2351, SOCI 1301, 1306, 2319 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MATH 2414* MAT 1325* Calculus II MATH 2414* MAT 3331 Introduction to Probability and Statistics Introduction to Probability and Statistics MAT 3331 Discrete Mathematics COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1321 Com		1	,	
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REL 1311, 1312, 1313, 1321, 1323 One 3 hour Religion course PHIL 1304 or 2306 FAR, MUS, THA, HIS 2321, 2301, 2303, PHI 2301, 2321, REL 1311, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1321, 1321, one additional Cultural Literacy Course Social Literacy (10-11 Hours) EXS 1220 Basic Concepts of Health & Physical Education BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2301, 2302, 2301 Required Related Courses (15 Hours)*Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MAT 3321 Introduction to Probability and Statistics MAT 3321 Linear Algebra Discrete Mathematics Major Requirements (42 Hours) CSC 1322 Advance Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 2320 Data Structures CSC 2340 Object-Oriented Programming and Design ITSE 2447 ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2447	3	HIST 1302	Fundamentals of Modern American History	
REL 1311, 1312, 1313, 1321, 1323 One 3 hour Religion course PHIL 1304 or 2306 FAR, MUS, THA, HIS 2321, 2301, 2303, 2303, 2301, 2301, 2321, REL 1311, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1312, 1313, 1321, 1321, or SPC 1301 Social Literacy (10-11 Hours) EXS 1220 Basic Concepts of Health & Physical Education BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2301, 2302, 2301 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MAT 3311 Introduction to Probability and Statistics MAT 3321 Linear Algebra Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ COSC 1436 (TSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457) CSC 1320 CSC 2320 Data Structures CSC 2340 Object-Oriented Programming and Design ITSE 2447 ITSE 2445 CSC 2340 One additional Cultural Literacy Course ARTS, MUSI, DRAM, HIST 1301, 232 ARTS, MUSI, DRAM, HIST 1311, 232 ARTS, MUSI, PREH 1311, 1315, 1314, 1315, 1314, 1315 ARTS, MUSI, PREH 1311, 1315, 1314, 1315 ARTS, MUSI, PREH 1311, 1315, 1314, 1215 BARTS, MUSI, PREH 1311, 1315, 1	3	ARTS, MUSI, DRAM, HUMA 1315	One 3 hour Art, Fine Arts, Music, or Theatre course	FAR, MUS, or THA
FAR, MUS, THA, HIS 2321, 2301, 2303, PHI 2301, 2321, REL 1311, 1312, 1313, One additional Cultural Literacy Course 2322, PHIL 1301, 1304, 2303, 2307, 321, or SPC 1301 SPCH 1311, 1312, 1313, 1318, 1321 Social Literacy (10-11 Hours) EXS 1220 Basic Concepts of Health & Physical Education KINE 1338 or PHED 1164 BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2301, 2302, 2301 Required Related Courses (15 Hours) Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MATH 2414* MAT 3311 Introduction to Probability and Statistics Internal Algebra Discrete Mathematics Discrete Mathematics MAT 3321 Computer Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming CSC 1320 Data Structures CSC 2340 Object-Oriented Programming and Design ITSE 2417	3			
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1321, or SPC 1301 SPCH 1311, 1315, 1318, 1321 Social Literacy (10-11 Hours) EXS 1220 Basic Concepts of Health & Physical Education KINE 1338 or PHED 1164 BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2309 BUSI 1301, ECON 2301, FIN 1325, GEGG 1302, 1303, PSVC 2301 ANTH 2346, 2351, SOCI 1301, 1306 2319 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MATH 2413* MAT 3311 Introduction to Probability and Statistics MATH 2414* MAT 3321 Linear Algebra Endemander MAT 3381 Discrete Mathematics Cosc 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1321 Computer Programming with C++ Cosc 1436 ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming Cosc 2425, ITSE 2437 CSC 2310 Computer Organization Cosc 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3		One additional Cultural Literacy Course	
Social Literacy (10-11 Hours) EXS 1220				
EXS 1220 Basic Concepts of Health & Physical Education KINE 1338 or PHED 1164 BUA 1301, ECO 2305, FIN 1325, POL 2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2301 BUSI 1301, ECON 2301, FIN 1325, GO 2306, GEOG 1302, 1303, PSYC 2301 ANTH 2346, 2351, SOCI 1301, 1306, 2319 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MATH 2413* MAT 1325* Calculus II MATH 2414* MAT 3311 Introduction to Probability and Statistics MAT 3311 MAT 3381 Discrete Mathematics Elinear Algebra MAJ 3381 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1321 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417		31 011 1311, 1313, 1313, 1321		
BUA 1301, ECO 2305, FIN 1325, POL BUSI 1301, ECON 2301, FIN 1325, G 2311, GEG 2304, 2305, IST 2300, PSY Three courses with at least two areas represented 2306, GEOG 1302, 1303, PSYC 2301 1301, 2342, SOC 1302, 2301, 2302, 2390 *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MATH 2413* MAT 3311 Introduction to Probability and Statistics MATH 2414* MAT 3321 Linear Algebra Moscrete Mathematics MAjor Requirements (42 Hours) Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 2310 Computer Organization COSC 2425, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	1	KINE 1338 or PHED 1164	Basic Concepts of Health & Physical Education	
2311, GEG 2304, 2305, IST 2300, PSY 1301, 2342, SOC 1302, 2301, 2302, 2309 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* MAT 1325* Calculus I Introduction to Probability and Statistics MAT 3311 Introduction to Probability and Statistics MAT 3321 MAT 3381 Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ CSC 1322 Advance Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 2310 Computer Organization CSC 2320 Data Structures Object-Oriented Programming and Design ITSE 2417	/т	BUSI 1301, ECON 2301, FIN 1325, GOVT		BUA 1301, ECO 2305, FIN 1325, POL
1301, 2342, SOC 1302, 2301, 2302, 2301, 2302, 2319 Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MAT 1325* Calculus II Introduction to Probability and Statistics MAT 3311 Introduction to Probability and Statistics MAT 3321 Linear Algebra Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ CSC 1322 Advance Programming with C++ CSC 1330 Assembly Language Programming CSC 2310 Computer Organization CSC 2320 Data Structures CSC 2340 Object-Oriented Programming and Design ITSE 2417				
Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MAT 1325* Calculus II MAT 3311 Introduction to Probability and Statistics MAT 3321 MAT 3321 Linear Algebra MAT 3381 Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ CSC 1322 Advance Programming with C++ CSC 1330 Assembly Language Programming CSC 2310 Computer Organization CSC 2340 Object-Oriented Programming and Design IMAT 341 Calculus I MAT 2414* MATH 2414* MATH 2414* MATH 2414* MATH 2414*	9		Three courses with at least two areas represented	
Required Related Courses (15 Hours) *Some courses listed in Major Requirements may be used to fulfill GEC. MAT 1324* Calculus I MAT 1325* Calculus II MAT 3311 Introduction to Probability and Statistics MAT 3321 Linear Algebra MAT 3381 Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 2457 CSC 2310 Computer Organization CSC 2320 Data Structures COSC 2346, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417				
MAT 1324* MAT 1325* Calculus II MAT 3311 Introduction to Probability and Statistics MAT 3321 Linear Algebra MAT 3381 Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ CSC 1322 Advance Programming with C++ CSC 1330 Assembly Language Programming CSC 2310 Computer Organization CSC 2340 Object-Oriented Programming and Design MATH 2413* MATH 2414* MATH 24			Some courses listed in Major Requirements may be used to f	
MAT 1325* Calculus II MATH 2414* MAT 3311 Introduction to Probability and Statistics MAT 3321 MAT 3321 Linear Algebra Linear Algebra MAT 3381 Discrete Mathematics Cosc 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1321 Computer Programming with C++ Cosc 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ Cosc 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming Cosc 2425, ITSE 2437 CSC 2310 Computer Organization COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3			
MAT 3311 Introduction to Probability and Statistics MAT 3321 Linear Algebra MAT 3381 Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ CSC 1322 Advance Programming with C++ CSC 1330 Assembly Language Programming CSC 2310 Computer Organization CSC 2320 Data Structures COSC 2436, ITSE 2445 COSC 2445	3			
MAT 3321 Linear Algebra Match MAT 3381 Discrete Mathematics Cosc 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1321 Computer Programming with C++ Cosc 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ Cosc 1437, ITSE 2431, 2439, or 2457 CSC 1330 Assembly Language Programming Cosc 2425, ITSE 2437 CSC 2310 Computer Organization COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3			
MAT 3381 Discrete Mathematics Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3			
Major Requirements (42 Hours) CSC 1321 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization COSC 2436, ITSE 2445 CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3			
CSC 1321 Computer Programming with C++ COSC 1436 ITSE 1330, 1407, 1430, 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization COSC 2436, ITSE 2445 CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417				
CSC 1321 Computer Programming with C++ 2321, 2353, 2359, 2421, or 2457 CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417		COSC 1436 ITSE 1330 1407 1430		
CSC 1322 Advance Programming with C++ COSC 1437, ITSE 2431, 2439, or 245 CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3		Computer Programming with C++	CSC 1321
CSC 1330 Assembly Language Programming COSC 2425, ITSE 2437 CSC 2310 Computer Organization CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3		Advance Programming with C++	CSC 1222
CSC 2310 Computer Organization CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417			<u> </u>	
CSC 2320 Data Structures COSC 2436, ITSE 2445 CSC 2340 Object-Oriented Programming and Design ITSE 2417	3	COSC 2425, ITSE 2437	, , , , ,	
CSC 2340 Object-Oriented Programming and Design ITSE 2417	3	COSC 2426 ITSE 2445	, ,	
	3			
CCC 2220	3			
CSC 3320 Programming Language Concepts CSC 3360 Design and Analysis of Algorithms	3	+		
CSC 3391 Operating Systems	3	+		
CSC 4383 Software Engineering	3		Software Engineering	CSC 4383
CSC 4384 Senior Project	3		Senior Project	CSC 4384
9 Hours from the following Courses: CSC 4220 Artificial Intelligence			Artificial Intelligence	
CSC 4320 Artificial Intelligence CSC 4341 Prinicples of Database Systems	\dashv	+		
CSC 4351 Computer Graphics	\exists			
CSC 4360 Computer Networks	9		Computer Networks	CSC 4360
CSC 4371 Numerical Analysis	\dashv			
CSC 4391 Comtemporary Topics in Computer Science Electives (17-18 Hours)			Comtemporary Topics in Computer Science	

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