



TAMUK Bachelor of Science in Computer Science with Teacher Certification With ASES Transfer from SWTJC

Student Name _____ SWTJC ID# _____

SWTJC Email _____@SWTJC.EDU Advisor _____

By checking this box, you agree to allow Southwest Texas Junior College (SWTJC) to share your directory information with Texas A & M Kingsville (TAMUK) for the purpose of tracking and transfer assistance that is part of the SWJTC/TAMUK Memorandum of Understanding. SWTJC and TAMUK will not share this information with any third party members.

Student's Signature _____

Date _____

SWTJC Bridge Semester		sch				sch
EDUC 1100	Learning Framework ¹	2	or	COLS 0300	College Success Skills ¹	3
SWTJC Fall Semester Year 1				SWTJC Spring Semester Year 1		
HIST 1301 ✓	U. S. History I	3		ENGR 2308*	Engineering Economics	3
ENGL 1301 ✓	Composition I	3		ENGL 1302 ✓	Composition II	3
MATH 2413 ✓	Calculus I	4		MATH 2414	Calculus II	4
CHEM 1311 ✓	General Chemistry I	3		PHYS 2325 ✓	University Physics I	3
CHEM 1111	General Chemistry I Lab	1		PHYS 2125	University Physics I Lab	1
ENGR 1201	Introduction to Engineering	2		GOVT 2306 ✓	Texas Government	3
		16				17
SWTJC Fall Semester Year 2				SWTJC Spring Semester Year 2		
COSC 1320	Structured Programming	3		ENGR 2305*	Circuit Analysis I	3
ENGR 2301	Engineering Mechanics – Statics ²	3		ENGR 2105*	Circuits Analysis I Lab	1
MATH 2415	Calculus III ³	4		MATH 2320	Differential Equations	3
PHYS 2326 ✓	University Physics II	3		ENGR 2302	Engineering Mechanics – Dynamics ²	3
PHYS 2126	University Physics II Lab	1		ECON 2301 ✓	Principles of Macroeconomics	3
		14				13
Core Total SWTJC 27 + TAMUK 15 = 42 sch				ASES SWTJC Total 60 sch		

¹ EDUC 1100 required of all first time in college students. COLS 0300 required for students with any TSI deficiencies and does not count toward a degree.

² ENGR 2301 and ENGR 2302 would be combined for credit in MEEN 2355 at TAMUK, to count as an approved elective.

³ To be used as an approved elective at TAMUK.

Our faculty and staff are pleased that you have indicated interest in this TAMUK engineering degree program. To help you achieve your higher education aspirations a TAMUK advisor will provide you with additional information and any help you may need. On behalf of the College of Engineering, I want to welcome you and assure you that the SWTJC college level courses noted above will all transfer and, except for those marked with an asterisk (*), will apply toward the major you have indicated. You must earn a grade of "C" or higher in mathematics, science, and engineering courses in order to apply transfer coursework to your degree plan. You must also meet TAMUK's admission and GPA requirements. We look forward to your graduation.

Associate Dean, TAMUK Engineering _____

Date _____

TAMUK Fall Semester Year 1		sch		TAMUK Spring Semester Year 1		sch
CSEN 2310 ¹	Object-Oriented Software Engineering	3		CSEN 2306 ¹	Object-Oriented Programming	3
Core Course ✓	Creative Arts ²	3		CSEN 2328 ¹	Data Structures and Algorithms	3
Core Course ✓	Language, Philosophy and Culture ³	3		COMS 2374 ✓	Professional Communication	3
HIST 1302 ✓	U. S. History II	3		POLS 2301 ✓	Government and Politics of the U.S.	3
EDED 3302	Develop. & Behavior of Child & Adolescent	3		EDED 3310	Intro to Instruct. Design for Sec. Schools	3
		15				15
TAMUK Fall Semester Year 2				TAMUK Spring Semester Year 2		
EEEN 2340	Digital Logic Design	3		CSEN 3314	Database Systems	3
STAT 1342	Elementary Statistics	3		CSEN 3316	Software Engineering I	3
MATH 3370	Discrete Mathematics	3		EEEN 3449	Microprocessor Systems	4
CSEN 3315	Computer Graphics	3		POLS 4324	Technology and Society	3
EDED 3333	Classroom Mgmt & Org. in Middle School	3		EDED 3332	Curriculum & Mat'l's Develop. and Planning	3
EDSE 4349	Foundations of Special Education	3				
		18				17
TAMUK Fall Semester Year 3				TAMUK Spring Semester Year 3		
CSEN 4201	Senior Project	2		CSEN 4202	Senior Project	2
CSEN 4317	Software Engineering II	3		CSEN 4340	Computer Security	3
CSEN 4320	Computer Networks	3		CSEN 4362	Operating Systems	3
EEEN 4344	Computer Architecture and Design	3		CSEN 4366	Programming Languages	3
EDED 4623	Secondary School Student Teaching	6		EDED 3362	Instruct. Methods & Strategies, Sec. School	3
				EDRG 4314	Develop. Corrective Reading for Sec. School	3
		17				17
Total SWTJC 60 + TAMUK 96 = 156 sch				BSCS + Teaching Cert Complete Total 156 sch⁴		

¹ Completion Curriculum courses that elevate a transfer student to junior status in the major.



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² Selected from TAMUK language, philosophy, and culture core courses ANTH 2302; or ENGL 2331, 2342, ENGL 2362; or FREN 1311, FREN 1312, FREN 2311, FREN 2312; or HIST 2321, HIST 2322; or PHIL 1301; or SPAN 1313, SPAN 1314, SPAN 1373, SPAN 2301, SPAN 2302, SPAN 2311, SPAN 2312.

³ Selected from TAMUK creative arts core courses ARTS 1303, COMM 2304, MUSI 2306, MUSI 2308, MUSI 2310, or THEA 2310.

⁴ TAMUK native students graduate with 141 SCH, 15 sch less than SWTJC transfer students.