



# TAMUK Bachelor of Science in Electrical Engineering 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 <sup>1</sup>	2	or	COLS 0300	College Success Skills <sup>1</sup>	3
<b>SWTJC Fall Semester Year 1</b>				<b>SWTJC Spring Semester Year 1</b>		
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
		<b>16</b>				<b>17</b>
<b>SWTJC Fall Semester Year 2</b>				<b>SWTJC Spring Semester Year 2</b>		
COSC 1320	Structured Programming	3		ENGR 2305	Circuit Analysis I <sup>3</sup>	3
ENGR 2301 <sup>2</sup>	Engineering Mechanics - Statics	3		ENGR 2105	Circuits Analysis I Lab <sup>3</sup>	1
MATH 2415	Calculus III	4		MATH 2320	Differential Equations	3
PHYS 2326 ✓	University Physics II	3		ENGR 2302	Engineering Mechanics – Dynamics <sup>2</sup>	3
PHYS 2126	University Physics II Lab	1		ECON 2301 ✓	Principles of Macroeconomics	3
		<b>14</b>				<b>13</b>
<b>Core Total SWTJC 27 + TAMUK 15 = 42 sch</b>				<b>ASES SWTJC Total 60 sch</b>		

<sup>1</sup> 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.

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

<sup>3</sup> ENGR 2305 and ENGR 2105 would be combined for credit in EEN 2323 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
EEEN 2340 <sup>1</sup>	Digital Logic Design	3		POLS 2301 ✓	Government and Politics of the U.S.	3
Core Course ✓	Language, Philosophy and Culture <sup>1</sup>	3		Core Course ✓	Creative Arts <sup>1</sup>	3
HIST 1302 ✓	U. S. History II	3		COMS 2374 ✓	Professional Communication	3
MATH 4341	Linear Algebra	3		EEEN 3449 <sup>1</sup>	Microprocessor Systems	4
		<b>12</b>				<b>13</b>
<b>TAMUK Fall Semester Year 2</b>				<b>TAMUK Spring Semester Year 2</b>		
EEEN 3321	Network Analysis II	3		EEEN 3212	Circuits and Electronics Lab	2
EEEN 3325	Electronics I	3		EEEN 3333	Linear Systems and Signals	3
EEEN 3334	Random Signals	3		EEEN 3324	Electromagnetics	3
	Approved Elective <sup>2</sup>	3		EEEN 4355	Digital Systems Engineering	3
		<b>12</b>			Approved Elective <sup>2</sup>	3
						<b>14</b>
<b>TAMUK Fall Semester Year 3</b>				<b>TAMUK Spring Semester Year 3</b>		
EEEN 4342	Electronics II	3		EEEN 4224	Electrical & Computer Engr. Projects Lab	2
EEEN 4422	Electric Drives	4		EEEN 4329	Communications Engineering	3
EEEN 4252	Advanced Laboratory	2			Approved Elective <sup>2</sup>	3
EEEN 4354	Linear Control Systems	3				<b>8</b>
		<b>12</b>				
<b>Total SWTJC 60 + TAMUK 71 = 131 sch</b>				<b>BSEE Complete Total 131 sch<sup>5</sup></b>		

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

<sup>2</sup> Approved electives to be selected in consultation with faculty advisor.

<sup>3</sup> 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.

<sup>4</sup> Selected from TAMUK creative arts core courses ARTS 1303, COMM 2304, MUSI 2306, MUSI 2308, MUSI 2310, or THEA 2310.

<sup>5</sup> TAMUK native students graduate with 127 SCH, 4 sch less than SWTJC transfer students.