



**AS – Engineering to
BS – Mechanical Engineering Technology
2025-2026 Transfer Pathway**



Central Texas College							
AS Degree Requirements							
CTC	Course Name	SCH	TAMUCT	CTC	Course Name	SCH	TAMUCT
ENGL 1301	Composition I	3	CORE 010	PHYS 1402	College Physics II	4	PHYS 1402
HIST 1301	United States History I	3	CORE 060	PHYS 1401	College Physics I	4	CORE 030
SPCH 1315 SPCH 1318 or SPCH 1321	Public Speaking Interpersonal Communication or Business & Professional Communication	3	CORE 010	ENGR 2301	Engineering Mechanics – Statics	3	ENGR 2301
CORE 050	Creative Arts Core	3	CORE 050	ENGR 1304	Engineering Graphics	3	ENGR 1304
ENGR 1201	Introduction to Engineering	2	ENGR 1201	GOVT 2306	Texas Government	3	CORE 070
HIST 1302	United States History II	3	CORE 060	ENGR 2332	Mechanics of Materials	3	ENGR 2332
CHEM 1411	General Chemistry I	4	CORE 030	CORE 040	Language/Philosophy/Culture Core	3	CORE 040
MATH 2413	Calculus I	4	CORE 020	ENGR 2302	Engineering Mechanics – Dynamics	3	ENGR 2302
GOVT 2305	Federal Government	3	CORE 070	CORE 080	Social and Behavioral Sciences Core	3	CORE 080
MATH 2414	Calculus II	4	CORE 090				
						Subtotal	61

Central Texas College or Texas A&M University – Central Texas			
Additional Lower-Level Degree Requirements			
Central Texas College	Texas A&M University – Central Texas	Course Name	SCH
ENGL 2311 ¹	ENGL 2311	Technical & Business Writing	3
ENGR 2305 or ENGR 2306 ¹	ENGR 2305 or ENGR 2306	Electrical Circuits I (Lecture) or Electrical Circuits II (Lecture)	3
			Subtotal
			6

Texas A&M University - Central Texas					
BS Degree Requirements					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
ENGT 3305	Computer Aided Problem Solving	3	ENGT 4325	Senior Design A	3
ENGT 3306	Decision Making Models	3	ENGT 4307	Engineering Economics	3
ENGT 3310	Applied Thermodynamics	3	ENGT 4421	Solid Modeling	4
ENGT 3311	Fluid Mechanics	3	ENGT 3320	Quality Control Technology	3
ENGT 3302	Manufacturing Processes	3	ENGT 4326	Senior Design B	3
ENGT 3312	Heat Transfer	3	ENGT 4422	Electrical Power and Controls	4
ENGT 3213	Thermal Fluids Lab	2	UL ENGT Elective ²	Upper-Level ENGT Elective	9
ENGT 3415	Material Science	4			
					Subtotal
					53
					Total
					120

Notes/Comments	
TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at CTC. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours, as certain courses required for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, please speak with an academic advisor or enrollment specialist. This pathway is intended for planning and visualization purposes and is subject to change.	
- The AS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at CTC. Please discuss the consortium agreement procedure with a TAMUCT financial aid advisor. - UL ENGT Elective is defined as the following courses: MATH 3306, MATH 3332, MATH 3360, MATH 3370, BUSI 3311, MGMT 3350, or MGMT 4370. Other ENGT electives can be added with approval from ENGT advisor.	