



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



Austin Community College (ACC)

AS Degree Requirements							
ACC	Course Name	SCH	TAMUCT	ACC	Course Name	SCH	TAMUCT
EDUC 1200	Learning Framework	2	EDUC 1200	GOVT 2305	United States Government	3	CORE 070
ENGL 1301	English Composition I	3	CORE 010	HIST 1301	United States History I	3	CORE 060
CHEM 1109	General Chemistry for Engineering Majors - Lab	1	CORE 030	MATH 2415	Calculus III	4	CORE 090
CHEM 1309	General Chemistry for Engineering Majors - Lecture	3	CORE 030	PHYS 2426	Engineering Physics II	4	PHYS 2426
MATH 2413	Calculus I	4	CORE 020	ENGR 2301	Vector Mechanics - Statics	3	ENGR 2301
ENGR 1201	Introduction to Engineering	2	ENGR 1201	ENGR 2332	Mechanics of Materials	3	ENGR 2332
MATH 2414	Calculus II	4	CORE 090	ENGR 2302	Vector Mechanics -- Dynamics	3	ENGR 2302
PHYS 2425	Engineering Physics I	4	CORE 030	MATH 2420	Differential Equations	4	ENGT Elective
PHIL 2306	Ethics	3	CORE 040	ENGR 2405	Electrical Circuits I	4	ENGR 2405
ECON 2301	Principles of Macroeconomics	3	CORE 080				
						Subtotal	60

Austin Community College (ACC) or Texas A&M University–Central Texas (TAMUCT)

Additional Lower-Level Degree Requirements			
Austin Community College	Texas A&M University–Central Texas	Course Name	SCH
ENGL 2311 ¹	ENGL 2311	Technical & Business Writing	3
CORE 050 ¹	CORE 050	Creative Arts Core	3
CORE 060 ¹	CORE 060	American History Core	3
CORE 070 ¹	CORE 070	Government/Political Science	3
			Subtotal
			12

Texas A&M University–Central Texas (TAMUCT)

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
					125

Notes/Comments

TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at ACC. 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 ACC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- 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.