



# AS – Mechanical Engineering to BS – Mechanical Engineering Technology 2024-2025 Transfer Pathway



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1200	EDUC 1200	Learning Framework	2	GOVT 2305	CORE 070	United States Government	3
ENGL 1301	CORE 010	English Composition I	3	HIST 1301	CORE 060	United States History I	3
CHEM 1109	CORE 030	General Chemistry for Engineering Majors - Lab	1	MATH 2415	CORE 090	Calculus III	4
CHEM 1309	CORE 030	General Chemistry for Engineering Majors - Lecture	3	PHYS 2426	PHYS 1402	Engineering Physics II	4
MATH 2413	CORE 020	Calculus I	4	ENGR 2301	ENGR 2301	Vector Mechanics - Statics	3
ENGR 1201	ENGR 1201	Introduction to Engineering	2	MATH 2420	ENGT Elective	Differential Equations	4
MATH 2414	CORE 090	Calculus II	4	ENGR 2405	ENGR 2305	Electrical Circuits I	4
PHYS 2425	CORE 030	Engineering Physics I	4	ENGR 2332	ENGR 2332	Mechanics of Materials	3
PHIL 2306	CORE 040	Ethics	3	ENGR 2302	ENGR 2302	Vector Mechanics -- Dynamics	3
ECON 2301	CORE 080	Principles of Macroeconomics	3				
Subtotal							60

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

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
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	Upper-Level ENGT Elective <sup>2</sup>	Upper-Level ENGT Elective	9
ENGT 3415	Material Science	4			
Subtotal					53
Total					125

## Notes/Comments

TAMUCT offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to 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 some courses necessary 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 these remaining lower-level courses at Austin Community College. 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.