



AS – Engineering – Mechanical Engineering to BS – Mechanical Engineering Technology 2023-2024 Transfer Pathway



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

Additional Lower-Level Degree Requirements			
Austin Community College			
Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
ENGL 2311 ¹	CORE 010	Communication Core	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 Core	3
Subtotal			12

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
ENGT 3305	Computer Aided Problem Solving	3	ENGT 4325	Senior Design A	3
ENGT 3306	Engineering Ethics	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 ²	Upper Level ENGT Elective	9
ENGT 3415	Material Science	4			
Subtotal					53
Total					125

Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Austin Community College. For help with pathway planning, students should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

1. 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](#).
2. ENGT Elective is defined as the following courses: MATH 3306, MATH 3332, MATH 3360, MATH 3370, BUSI 3311, MGMT 3301, or MGMT 4370. Other ENGT electives can be added with approval from ENGT advisor.