



AS – Engineering – Mechanical Engineering to BS – Mechanical Engineering Technology 2022-2023 Transfer Pathway



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1200 ¹	EDUC 1200	Learning Framework: Effective Strategies for College Success	2	GOVT 2305	CORE 070	United States Government	3
MATH 2413	CORE 020	Calculus I	4	MATH 2415	CORE 090	Calculus III	4
ENGL 1301	CORE 010	English Composition I	3	PHYS 2426	PHYS 2426	Engineering Physics II	4
ENGR 1201	ENGR 1201	Introduction to Engineering	2	ENGR 2301	ENGR 2301	Vector Mechanics (Statics)	3
CHEM 1309	CORE 030	General Chemistry for Engineering Majors (Lecture)	3	HIST 1301	CORE 060	United States History I	3
CHEM 1109	CORE 030	General Chemistry for Engineering Majors (Lab)	1	MATH 2420	MATH 2420	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 or Upper-Level Degree Requirements			
Austin Community College or Texas A&M University – Central Texas			
Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 010 ²	CORE 010	Communication Core Selection	3
CORE 050 ²	CORE 050	Creative Arts Core Selection	3
CORE 060 ²	CORE 060	American History Core Selection	3
CORE 070 ²	CORE 070	Government/Political Science Core Selection	3
ENGL 2311 ²	ENGL 2311	Technical & Business Writing	3
Subtotal			15

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
Texas A&M University - Central Texas	Course Name	SCH	Texas A&M University - Central Texas	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	Manufacture 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	Any ENGT Elective ³	Any ENGT Elective	6
ENGT 3415	Material Science	4			
Subtotal					50
Total					125

Notes/Comments

The following Pathway Plan is suggested for full-time students. A part-time student will need more time to complete this pathway. For assistance with pathway planning, students should schedule an appointment with an academic advisor. This guide is for planning and visualization purposes only.

1. All first time Austin Community College (ACC) students with fewer than 12 SCH of successful college credit must take the EDUC 1200 success course in their first semester at ACC. All other students may select a SPCH course or another course option from the Component Area Option section of the Core Curriculum Course List. See an advisor or a full-time faculty member in Engineering for more information and assistance with the appropriate course selection.
2. Not all Degree Requirement courses are completed with the AS. Students will need to complete these remaining lower-level courses at the community college. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
3. Any ENGT Elective is defined as the following courses: MATH 2320, 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.