



AS – Engineering – Mechanical Engineering to BS – Mechanical Engineering 2021-2022 Transfer Pathway



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1200	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	MATH 2415	Calculus III	4
ENGL 1301	CORE010	English Composition I	3	PHYS 2426	PHYS 1402	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	PHYS 1401	Engineering Physics I	4	ENGR 2332	ENGR 2332	Mechanics of Materials	3
ENGL 2311	CORE 010	Technical and Business Writing	3	ENGR 2405	ENGR 2405	Electrical Circuits I	4
ENGR 1304	ENGR 1304	Engineering Graphics I	3				
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Austin Community College or Texas A&M – Central Texas			
Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 040 ¹	CORE 040	CORE Language, Philosophy and Culture	3
CORE 050 ¹	CORE 050	CORE Creative Arts	3
CORE 060 ¹	CORE 060	CORE American History	3
CORE 070 ¹	CORE 070	CORE Government/Political Science	3
CORE 080 ¹	CORE 080	CORE Social and Behavioral Science	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	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	Any ENGT Elective ²	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. 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) Not all Degree Requirement courses are completed with the AS. Student 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.
- (2) Any level electives may be taken at either at Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.