



**AA – FOS – Mechanical Engineering to
BS – Mechanical Engineering Technology
2023-2024 Transfer Pathway**



AA Degree Requirements							
Dallas College							
DC	TAMUCT	Course Name	SCH	DC	TAMUCT	Course Name	SCH
ENGL 1301	CORE 010	Composition I	3	GOVT 2306	CORE 070	Texas Government	3
MATH 2413	CORE 020	Calculus I	4	PHYS 2426	CORE 090	University Physics II	4
HIST 1301	CORE 060	United States History I	3	ENGR 2301	ENGR 2301	Engineering Mechanics - Statics	3
PHED 1164	PHED 1164	Introduction to Physical Fitness and Wellness	1	MATH 2414	CORE 090	Calculus II	4
ENGR 1201	ENGR 1201	Introduction to Engineering	2	ENGR 2332	ENGR 2332	Mechanics of Materials	3
ENGL 1302	CORE 010	Composition II	3	MATH 2415	MATH 2415	Calculus III	4
GOVT 2305	CORE 070	Federal Government	3	CHEM 1409	CORE 030	General Chemistry for Engineering Majors	4
PHYS 2425	CORE 030	University Physics I	4	ENGR 2305	ENGR 2305	Electrical Circuits I	3
ENGR 2302	ENGR 2302	Engineering Mechanics - Dynamics	3	MATH 2320	MATH 2320	Differential Equations	3
HIST 1302 or HIST 2301	CORE 060	United States History II or Texas History	3				
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Dallas College or Texas A&M University – Central Texas			
Dallas College	Texas A&M University - Central Texas	Course Name	SCH
CORE 040 ¹	CORE 040	Language, Philosophy, and Culture Core	3
CORE 050 ¹	CORE 050	Creative Arts Core	3
CORE 080 ¹	CORE 080	Social and Behavioral Sciences Core	3
ENGL 2311 ^{1,2}	ENGL 2311	Technical & Business Writing	3
ENGR 1304 or Any ENGT Elective ^{1,3,4,5}	ENGR 1304 or Any ENGT Elective	Engineering Graphics or Any ENGT Elective	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	Upper-Level ENGT Electives ⁴	Upper-Level ENGT Electives	6
ENGT 3415	Material Science	4			
Subtotal					50
Total					125

Notes/Comments

Texas A&M University-Central Texas is an upper-level institution offering 3xxx-5xxx level courses. All 1xxx-2xxx level courses must be completed at a different institution. For help with pathway planning, students should speak with an [academic advisor](#). This guide is intended for planning and visualization purposes only.

1. Not all Degree Requirement courses are completed with the AA. 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. Students can also fulfill this degree requirement by enrolling in ENGL 3309.
3. Any level electives may be taken at Texas A&M University-Central Texas or at another institution. Please speak with an academic advisor before selecting any level electives.
4. ENGT Elective courses consists of the following: ENGT Upper-Level Electives, MATH 2320, MATH 3306, MATH 3332, MATH 3360, MATH 3370, BUSI 3311, MGMT 3301 and MGMT 4370. Other ENGT electives may be added with approval from an ENGT advisor.
5. If an ENGT elective is chosen, the elective should be delayed until the third or fourth year of the degree program.