



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



AS Degree Requirements							
Central Texas College							
CTC	TAMUCT	Course Name	SCH	CTC	TAMUCT	Course Name	SCH
ENGL 1301	CORE 010	Composition I	3	ENGL 2311	CORE 090	Technical & Business Writing	3
HIST 1301	CORE 060	United States History I	3	PHYS 1401	CORE 030	College Physics I (Lecture + Lab)	4
SPCH 1315, 1318, or 1321	CORE 010	Public Speaking, Interpersonal Communication or Business & Professional Communication	3	ENGR 2301	ENGR 2301	Engineering Mechanics I – Statics	3
CORE 050	CORE 050	Creative Arts Core Selection	3	ENGR 1304	ENGR 1304	Engineering Graphics I	3
ENGR 1201	ENGR 1201	Introduction to Engineering	2	GOVT 2306	CORE 070	Texas Government	3
HIST 1302	CORE 060	United States History II	3	ENGR 2332	ENGR 2332	Mechanics of Materials	3
CHEM 1411	CORE 030	General Chemistry I (Lecture + Lab)	4	CORE 040	CORE 040	Language, Philosophy and Culture Core Selection	3
MATH 2413	CORE 020	Calculus I	4	ENGR 2302	ENGR 2302	Engineering Mechanics II – Dynamics	3
GOVT 2305	CORE 070	Federal Government	3	CORE 080	CORE 080	Social and Behavioral Science Core Selection	3
MATH 2414	CORE 090	Calculus II	4				
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Central Texas College or Texas A&M University – Central Texas			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
PHYS 1402 ¹	Degree Requirement	College Physics II (Lecture+ Lab)	4
ENGR 2305 ¹	Degree Requirement	Electrical Circuits I (Lecture)	3
Subtotal			7

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 ^{2,3}	Any ENGT Elective	9
ENGT 3415	Material Science	4			
Subtotal					53
Total					120

Notes/Comments

Texas A&M-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, student should speak with an [academic advisor](#). This guide is intended for planning and visualization purposes only.

- 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.
- 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.
- "Any ENGT Elective" is defined as the following courses: Upper-Level ENGT Electives, 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.