



# AS – Engineering to BS – Mechanical Engineering Technology 2023-2024 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	CHEM 1411	CORE 030	General Chemistry I	4
SPCH 1315 SPCH 1318 or SPCH 1321	SPCH 1315 SPCH 1318 or SPCH 1321	Public Speaking Interpersonal Communication or Business and Professional Communication	3	ENGR 2301	ENGR 2301	Engineering Mechanics - Statics	3
CORE 050	CORE 050	Creative Arts Core	3	ENGR 2305	ENGR 2305	Electrical Circuits 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
PHYS 2425	PHYS 1401	University Physics I	4	CORE 040	CORE 040	Language/Philosophy/Culture Core	3
MATH 2413	CORE 020	Calculus I	4	ENGR 2302	ENGR 2302	Engineering Mechanics - Dynamics	3
GOVT 2305	CORE 070	Federal Government	3	CORE 080	CORE 080	Social and Behavioral Science Core	3
MATH 2414	CORE 090	Calculus II	4				
<b>Subtotal</b>							<b>60</b>

Additional Lower-Level Degree Requirements			
Central Texas College			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
ENGR 1304 <sup>1,2</sup>	ENGR 1304	Engineering Graphics (or Any ENGT Elective)	3
PHYS 1402 <sup>1,2</sup>	PHYS 1402	College Physics II	4
<b>Subtotal</b>			<b>7</b>

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
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	ENGT Elective <sup>3</sup>	ENGT Elective	9
ENGT 3415	Material Science	4			
<b>Subtotal</b>					<b>53</b>
<b>Total</b>					<b>120</b>

**Notes/Comments**

Texas A&M University - Central Texas (TAMUCT) only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Central Texas College (CTC). A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, students should speak with an [academic advisor](#).

- 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 CTC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- Any-level electives may be taken at TAMUCT or CTC. Please consult with an academic advisor prior to selecting any-level electives.
- 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.