



AS – Engineering Technology to BS – Mechanical Engineering Technology 2024-2025 Transfer Pathway



AS Degree Requirements							
Temple College							
TC	TAMUCT	Course Name	SCH	TC	TAMUCT	Course Name	SCH
MATH 1314	CORE 090	College Algebra	3	CORE 050	CORE 050	Creative Arts Core	3
ENGR 1304	ENGR 1304	Engineering Graphics I	3	MATH 2414	CORE 090	Calculus II	4
MATH 2412	MATH 2412	Pre-Calculus Math	4	PHYS 1401	CORE 030	College Physics I	4
ENGL 1301	CORE 010	Composition I	3	ENGR 2406	ENGR 2305 or ENGR 2306	Introduction to Digital Systems	4
MATH 2413	CORE 020	Calculus I	4	GOVT 2305	CORE 070	Federal Government	3
HIST 1301	CORE 060	United States History I	3	PHYS 1402	PHYS 1402	College Physics II	4
ENGL 1302	CORE 010	Composition II	3	ENGR 2301	ENGR 2301	Engineering Mechanics - Statics	3
GEOG 1303	CORE 080	World Regional Geography	3	GOVT 2306	CORE 070	Texas Government	3
HIST 1302	CORE 060	United States History II	3	HUMA 1301	CORE 040	Introduction to Humanities I	3
Subtotal							60

Additional Lower-Level Degree Requirements			
Temple College			
Temple College	Texas A&M University - Central Texas	Course Name	SCH
CHEM 1411 ¹	CORE 030	General Chemistry I (Lecture + Lab)	4
ENGL 2311 ^{1,3}	ENGL 2311	Technical & Business Writing	3
ENGR 1201 ¹	ENGR 1201	Introduction to Engineering	2
Subtotal			9

Additional Lower-Level Degree Requirements			
Other College	Texas A&M University - Central Texas	Course Name	SCH
ENGR 2302 ²	ENGR 2302	Engineering Mechanics II – Dynamics	3
ENGR 2332 or ENGT 2307 ²	ENGR 2332 or ENGT 2307	Mechanics of Materials or Engineering Materials I	3
Subtotal			6

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	Decision Making Models	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 Elective ⁴	Upper Level ENGT Elective	9
ENGT 3415	Material Science	4			
Subtotal					53
Total					128

Notes/Comments

TAMUCT offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at TC. 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](#) or [enrollment specialist](#). This pathway is intended for planning and visualization purposes and is subject to change.

- The AS does not meet all the course requirements for the bachelor's degree. Students will need to complete the remaining lower-level courses at Temple College. It is recommended to seek guidance from a [financial aid advisor](#) regarding the consortium agreement process.
- TC does not offer the specific course that is essential for fulfilling the requirements for the BS – MET Degree. Please contact your [academic advisor](#) or [financial aid advisor](#) to explore alternative possibilities for fulfilling this requirement.
- Students may also fulfill this degree requirement by enrolling in ENGL 3309 at TAMUCT.
- ENGT Electives are defined as the following courses: Upper-Level ENGT Electives, MATH 2320, MATH 3306, MATH 3332, MATH 3360, MATH 3370, BUSI 3311, MGMT 3350, MGMT 4370. Other ENGT electives may be added with approval from an ENGT advisor.