



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



AS Degree Requirements							
Temple College							
TEMPLE	TAMUCT	Course Name	SCH	TEMPLE	TAMUCT	Course Name	SCH
MATH 2413	CORE 020	Calculus I	4	MATH 2414	MATH 2414	Calculus II	4
ENGR 1201	ENGR 1201	Introduction to Engineering	2	PHYS 2425	CORE 030	University Physics I	4
MATH 2412	MATH 2412	Pre-Calculus Math	4	GOVT 2305	CORE 070	Federal Government	3
ENGL 1301	CORE 010	Composition I	3	GEOG 1303	CORE 080	World Regional Geography	3
MATH 2414	CORE 090	Calculus II	4	PHYS 2426	PHYS 2426	University Physics II	4
HIST 1301	CORE 060	United States History I	3	ENGR 2301	ENGR 2301	Engineering Mechanics - Statics	3
ENGR 1304	ENGR 1304	Engineering Graphics I	3	GOVT 2306	CORE 070	Texas Government	3
ENGL 1302 or SPCH 1315	CORE 010	Composition II or Public Speaking	3	ENTC 1291	ENTC 1291	Special Topics in Engineering Technology	2
HIST 1302	CORE 060	United States History II	3	HUMA1301	CORE 040	Introduction to Humanities I	3
CORE 050	CORE 050	Creative Arts Core Requirements	3				
Subtotal							61

Additional Lower-Level or Upper-Level Degree Requirements			
Temple College or Texas A&M University – Central Texas			
Temple College	Texas A&M University - Central Texas	Course Name	SCH
CHEM 1411 ¹	Degree Requirement	General Chemistry I (Lecture + Lab)	4
ENGR 2305 ¹	Degree Requirement	Electrical Circuits I (Lecture)	3
ENGL 2311 ^{1,4}	Degree Requirement	Technical & Business Writing	3
Subtotal			10

Additional Lower-Level Degree Requirements			
Other College	Texas A&M University - Central Texas	Course Name	SCH
ENGR 2302 ^{1,3}	Degree Requirement	Engineering Mechanics II – Dynamics	3
ENGR 2332 or ENGT 2307 ^{1,3}	Degree Requirement	Mechanics of Materials or Engineering Materials I	3
Subtotal			6

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 ⁴	Any ENGT Elective	9
ENGT 3415	Material Science	4			
Subtotal					53
Total					130

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.

1. Not all bachelor's 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. Upper Division ENGT Elective Courses Include the following: 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.
3. Courses are not currently offered at Temple College but must be completed to fulfill the BS degree requirement. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
4. Students can also fulfill this degree requirement by enrolling in ENGL 3309.