



AS – Engineering Technology to BS – Mechanical Engineering Technology 2023-2024 Transfer Pathway



AS Degree Requirements							
Temple College							
TEMPLE	TAMUCT	Course Name	SCH	TEMPLE	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 2406	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 or SPCH 1315	CORE 010	Composition II or Public Speaking	3	ENGR 2304	ENGT Elective	Programming for Engineers	3
CORE 080 ⁴	CORE 080	Social and Behavioral Sciences Core	3	GOVT 2306	CORE 070	Texas Government	3
HIST 1302	CORE 060	United States History II	3	CORE 040 ⁵	CORE 040	Language, Philosophy and Culture Core	3
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Temple College or Texas A&M – Central Texas			
Temple College	Texas A&M University - Central Texas	Course Name	SCH
CHEM 1411 ¹	CORE 030	General Chemistry I (Lecture + Lab)	4
ENGR 1201 ¹	ENGR 1201	Introduction to Engineering	2
ENGR 2301 ¹	ENGR 2301	Engineering Mechanics I – Statics	3
ENGR 2302 ¹	ENGR 2302	Engineering Mechanics II – Dynamics	3
ENGR 2332 or ENGT 2307 ¹	ENGR 2332 or ENGT 2307	Mechanics of Materials or Engineering Materials I	3
ENGL 2311 ^{1,2}	ENGL 2311	Technical & Business Writing	3
Subtotal			18

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
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 ³	ENGT Elective	6
ENGT 3415	Material Science	4			
Subtotal					50
Total					128

- Notes/Comments**
- Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Temple College.**
 For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*
1. Not all Degree Requirement courses are completed with the AS. Students will need to complete these remaining lower-level courses at Temple College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
 2. Students may also fulfill this degree requirement by enrolling in ENGL 3309.
 3. 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.
 4. GEOG 1303 - World Regional Geography is recommended for the AS Degree.
 5. HUMA 1301 - Introduction to Humanities I is recommended for the AS Degree.