



## Bachelor of Science Mechanical Engineering Technology 2022-2023 Transfer Guide

Core Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010	CORE 010	Communications Core Selection	3
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MATH 2413 <sup>4</sup>	CORE 020	Calculus I	4
CHEM 1411 <sup>4</sup>	CORE 030	General Chemistry I (Lecture + Lab)	4
PHYS 1401 <sup>4</sup>	CORE 030	College Physics I (Lecture + Lab)	4
CORE 040	CORE 040	Language, Philosophy, and Culture Core Selection	3
CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 080	CORE 080	Social and Behavioral Sciences Core Selection	3
MATH 2414 <sup>4</sup>	CORE 090	Calculus II	4
<b>Subtotal</b>			<b>43</b>

Additional Lower-Level Degree Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
Any ENGT Elective	Any ENGT Elective	Any ENGT Elective	9
ENGR 1201	ENGR 1201	Introduction to Engineering	2
ENGR 1304 <sup>4,5</sup>	ENGR 1304	Engineering Graphics (or Any ENGT Elective)	3
ENGR 2301	ENGR 2301	Engineering Mechanics I – Statistics	3
ENGR 2302	ENGR 2302	Engineering Mechanics II – Dynamics	3
ENGR 2305	ENGR 2305	Electrical Circuits I (Lecture)	3
ENGL 2311	ENGL 3309	Technical & Business Writing or Tech Writing & Document Design	3
ENGR 2332 or ENGT 2307	ENGR 2332 or ENGT 2307	Mechanics of Materials or Engineering Materials I	3
PHYS 1402 <sup>4</sup>	PHYS 1402	College Physics II (Lecture + Lab)	4
<b>Subtotal</b>			<b>33</b>

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 3302	Manufacturing Processes	3	ENGT 3320	Quality Control Technology	3
ENGT 3305	Computer Aided Problem Solving	3	ENGT 3415	Material Science	4
ENGT 3306	Engineering Ethics	3	ENGT 4307	Engineering Economics	3
ENGT 3310	Applied Thermodynamics	3	ENGT 4325	Senior Design A	3
ENGT 3311	Fluid Mechanics	3	ENGT 4326	Senior Design B	3
ENGT 3312	Heat Transfer	3	ENGT 4421	Solid Modeling	4
ENGT 3213	Thermal Fluids Lab	2	ENGT 4422	Electrical Power and Controls	4
<b>Subtotal</b>					<b>44</b>
<b>Total</b>					<b>120</b>

### Notes/Comments

This guide is for planning and visualization purposes only. For assistance with pathway planning, students should schedule an appointment with an academic advisor.

1. Texas A&M University - Central Texas is an upper-level university only offering upper-level courses (3000-4000 labeled courses)
2. Student will need to complete all lower-level courses at another institution (1000-2000 labeled courses). Refer to the [General Education Core Requirements page](#) for more information on the CORE Requirements coursework.
3. 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.
4. Lower Level Electives, Any Level Electives, Component Area Options, or Degree Requirements (DEG REQ) may consist of the FOS courses: MATH 2413, MATH 2414, PHYS 1401, PHYS 1402, CHEM 1411, ENGR 1304, ENGL 2311 or ETWR 2301, ENGT 2307, ENGT 2310.
5. If an ENGT elective is chosen, the elective should be delayed until the third or fourth year of the degree program.