



**2021 - 2022 Transfer Pathway**  
**Associate of Science - Engineering**  
 to  
**Bachelor of Science -**  
**Mechanical Engineering Technology**



**TEXAS A&M**  
**UNIVERSITY**  
**CENTRAL TEXAS.**

<b>AS Degree Requirements</b>			
<b>(Taken at Central Texas College)</b>			
<b>CTC</b>	<b>TAMUCT</b>	<b>Name</b>	<b>SCH</b>
ENGL 1301 (010)	ENGL 1301 (010)	Composition I (010)	3
SPCH 1315, 1318, or 1321 (010)	SPCH 1315, 1318, or 1321 (010)	Speech Selection (010)	3
MATH 2413 (020) <sup>1</sup>	MATH 2413 (020) <sup>1</sup>	Calculus 1 (020) <sup>1</sup>	4
CHEM 1411 (030)	CHEM 1411 (030)	General Chemistry I (030)	4
CORE REQ (030)	PHYS 1401 (030)	College Physics I (030)	4
CORE REQ (040)	CORE REQ (040)	Language, Philosophy, and Culture Selection (040)	3
CORE REQ (050)	CORE REQ (050)	Creative Arts Selection (050)	3
HIST 1301 (060)	HIST 1301 (060)	U.S. History I (060)	3
HIST 1302 (060)	HIST 1302 (060)	U.S. History II (060)	3
GOVT 2305 (070)	GOVT 2305 (070)	Federal Government (070)	3
GOVT 2306 (070)	GOVT 2306 (070)	Texas Government (070)	3
CORE REQ (080)	CORE REQ (080)	Social and Behavioral Science Selection (080)	3
ENGL 2311	ENGL 2311	Technical & Business Writing	3
ENGR 1201	ENGR 1201	Introduction to Engineering	2
MATH 2414	MATH 2414	Calculus II	4
ENGR 2301	ENGR 2301	Engineering Mechanics I - Statics	3
ENGR 2302	ENGR 2302	Engineering Mechanics II - Dynamics	3
ENGR 1304	ENGR 1304	Engineering Graphics	3
ENGR 2332	ENGR 2332	Mechanics of Materials	3
<b>Subtotal</b>			<b>60</b>

<b>Additional Lower-Level Degree Requirements</b>			
<b>(Taken at Central Texas College)</b>			
<b>CTC</b>	<b>TAMUCT</b>	<b>Name</b>	<b>SCH</b>
ENGR 2305	ENGR 2305	Electrical Circuits I	3
PHYS 1402 (090)	PHYS 1402 (090)	College Physics II (090)	4
<b>Subtotal</b>			<b>7</b>

<b>Upper-Level Degree Requirements</b>			
<b>(Taken at Texas A&amp;M University - Central Texas)</b>			
<b>CTC</b>	<b>TAMUCT</b>	<b>Name</b>	<b>SCH</b>
	ENGT 3305	Computer Aided Problem Solving	3
	ENGT 3306	Engineering Ethics	3
	ENGT 3310	Applied Thermodynamics	3
	ENGT 3311	Fluid Mechanics	3
	ENGT 3302	Manufacturing Processes	3
	ENGT 3312	Heat Transfer	3
	ENGT 3213	Thermal Fluids Lab	2
	ENGT 3415	Material Science	4
	ENGT 4325	Senior Design A	3
	ENGT 4307	Engineering Economics	3
	ENGT 4421	Solid Modeling	4
	ENGT 3320	Quality Control Technology	3
	ENGT 4326	Senior Design B	3
	ENGT 4422	Electrical Power and Controls	4
	Any ENGT Elective	Any ENGT Elective	9
<b>Subtotal</b>			<b>53</b>
<b>Total:</b>			<b>120</b>

**Notes**

-This guide is for planning and visualization purposes only. Please contact your academic advisor to establish a course schedule.

<sup>1</sup>Students not prepared to take MATH 2413, Calculus I may be required to take MATH 2412, Pre-Calculus.