



Mechanical Engineering (Bachelor of Science) from Tarleton State University
Graduation Plan - Recommended Course Sequence (2025-26)
4-Year (Full-Time)

Blinn College District Engineering (A.S.)				Tarleton State University Mechanical Engineering (B.S.)			
Freshman		Fall		Junior		Fall	
ENGR 1201	Intro to Engineering	2		< 050-GEN ED	CREATIVE ARTS*	3	
MATH 2413	Calculus I	4		HIST 1302	United States History II	3	
CHEM 1409	Gen Chem for Engr Maj	4		MEEN 3305	Fluid Mechanics	3	
ENGL 1301	Composition I	3		MEEN 3310	Materials & Mfg. Processes	3	
				MEEN 3335	Mechanical Vibration	3	
		TOTAL	13			TOTAL	15
		Spring				Spring	
ENGR 1304	Engineering Graphics	3		GOVT 2305	Federal Government	3	
MATH 2414	Calculus II	4		ENGR 3311	Engineering Math Methods	3	
PHYS 2325	University Physics I	3		MEEN 3325	Eng Thermo Dynamics II	3	
PHYS 2125	University Physics I Lab	1		MEEN 3345	Heat Transfer	3	
ENGL 1302	Composition II	3		MEEN/ELEN 4443	Linear Control Sys Design	4	
HIST 1301	United States History I	3		CVEN 3123	Strength of Materials Lab	1	
		TOTAL	17			TOTAL	17
Sophomore		Fall		Senior		Fall	
ENGR 2301	Engineering Mech: Statics	3		010-GEN ED	COMMUNICATION*	3	
ENGR 2334	Chem Engineering: Thermo I	3		MEEN 4205	Experimental Lab	2	
MATH 2415	Calculus III	4		ENGR 4259	Capstone I	2	
PHYS 2326	University Physics II	3		MEEN 4300	Renew Energy Sys & App	3	
PHYS 2126	University Physics II Lab	1		MEEN 4310	Mechanical Eng Design I	3	
080-GEN ED	SOCIAL SCIENCE*	3		MEEN 4330	Thermal Fluid Sys Design	3	
		TOTAL	17			TOTAL	16
		Spring				Spring	
ENGR 2302	Engineering Mech: Dynamics	3		MEEN 4320	Mech ENGR Design 2	3	
ENGR 2304	Programming for Engineers	3		MEEN 4325	Mechatronics	3	
ENGR 2332	Mechanics of Materials	3		MEEN 4340	HVAC Systems Design	3	
ENGR 2405	Electrical Circuits	4		ENGR 4360	Capstone II	3	
MATH 2320	Differential Equations	3		GOVT 2306	Texas Government	3	
		TOTAL	16			TOTAL	15
Notes							

* Consult with an academic advisor to determine best options

* Consult with an advisor on course options offered in a summer session or minimester

< Final course to complete AS in Engineering - may be taken before junior year