

Mechanical Engineering Technology (Bachelor of Science) from Tarleton State University
Graduation Plan - Recommended Course Sequence (2024-25)
4-Year (Full-Time)
**Blinn College District
 Liberal Arts (A.A.)**
**Tarleton State University
 Mechanical Engineering Technology (B.S.)**

Freshman		Fall	
MATH 2412	Pre-Calculus	4	
ENGL 1301	Composition I	3	
HIST 1301	United States History I	3	
ENGR 1201	Intro to Engineering	2	
ENGR 2304	Prog for Engineers	3	
		TOTAL	15

		Spring	
MATH 2413	Calculus I	4	
CHEM 1411	General Chemistry I	4	
ENGL 1302	Composition II	3	
HIST 1302	United States History II	3	
ENGR 1304	Engineering Graphics	3	
		TOTAL	17

Sophomore		Fall	
MATH 2414	Calculus II	4	
GOVT 2305	Federal Government	3	
PHYS 2425	University Physics I	4	
050-GEN ED	CREATIVE ARTS	3	
		TOTAL	14

		Spring	
SPCH 1311	Into to Speech Comm	3	
or SPCH 1315	Public Speaking		
GOVT 2306	Texas Government	3	
ENGR 2301	Engineering Mech: Statics	3	
ENGL 23xx	Literature Elective	3	
ECON 2301	Principles of Macroecon	3	
		TOTAL	15

Junior		Fall	
ENGT 2335	Solid Modeling	3	
ENGT 3301	Applied Dynamics	3	
ENGT 3313	Mechanics of Materials	3	
ENGT 3318	Research Reporting	3	
ENGT 1317	Machining Technology	3	
		TOTAL	15

		Spring	
ENGT 3305	Machine Design	3	
ENGT 3327	Mechanical Analysis	3	
ENGT 3385	Fluid Mechanics	3	
ENGT 3375	Continuous Improvement	3	
	Elective	3	
		TOTAL	15

Senior		Fall	
ENGT 3336	Industrial Controls	3	
ENGT 4322	Applied Thermodynamics	3	
ENGT 4375	Facility Planning	3	
ENGT 43xx	Advanced Elective	3	
	Advanced Elective	3	
		TOTAL	15

		Spring	
ENGT 4395	Engineering Technology Projects	3	
ENGT 4326	Appl Linear Programming	3	
ENGT 4356	Adv. Industrial Controls	3	
ENGT 3303	Industrial Materials	3	
	Elective	3	
		TOTAL	15

Notes

TOTAL CREDIT-ALL TERMS 121

*Consult with an academic advisor to determine best options

*HIST 2301 can be substituted for HIST 1301 or HIST 1302

*ENGL 2311 can be substituted for SPCH 1311 or 1315