



Mechanical Engineering (Bachelor of Science) from Tarleton State University
Graduation Plan - Recommended Course Sequence (2024-25)
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 | | | | Fall | |
| 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 | | | | | | | |

TOTAL CREDIT-ALL TERMS 126

- * 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