

Bachelor of Science – Mechanical Engineering Technology

2026-2027 Transfer Guide

Texas A&M University–Central Texas

The courses outlined in this section provide a year-by-year guide for full-time students, fulfilling the requirements for the **Bachelor of Science in Mechanical Engineering Technology** at Texas A&M University–Central Texas. All guides can be adjusted to accommodate the needs of part-time students. For the official degree requirements, please refer to the Texas A&M University–Central Texas [catalog](#).

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

YEAR 1	TOTAL HOURS:33
CORE 010 ¹ – Communications	3 SCH
MATH 2413 ³ – Calculus I (CORE 020)	4 SCH
CHEM 1411 ³ – General Chemistry I (CORE 030)	4 SCH
ENGR 1201 – Introduction to Engineering	2 SCH
CORE 050 ¹ – Creative Arts	3 SCH
CORE 040 ¹ – Language, Philosophy, and Culture	3 SCH
PHYS 1401 ³ – College Physics I (CORE 030)	4 SCH
CORE 080 ¹ – Social and Behavioral Sciences	3 SCH
MATH 2414 ³ – Calculus II (CORE 090)	4 SCH
ENGR 2301 – Engineering Mechanics I – Statics	3 SCH
YEAR 2	TOTAL HOURS:31
CORE 010 ¹ – Communications	3 SCH
CORE 060 ¹ – American History	3 SCH
CORE 070 ¹ – Government/Political Science	3 SCH
CHOOSE ONE: ENGR 1304 ^{3,4} – Engineering Graphics or ELECTIVE – Any ENGT Elective	3 SCH
PHYS 1402 ³ – College Physics II	4 SCH
CORE 060 ¹ – American History	3 SCH
CORE 070 ¹ – Government/Political Science	3 SCH
ENGR 2302 – Engineering Mechanics II – Dynamics	3 SCH
CHOOSE ONE: ENGR 2305 – Electrical Circuits I (Lecture) or ENGR 2306 – Electrical Circuits II (Lecture)	3 SCH
CHOOSE ONE: ENGR 2332 – Mechanics of Materials or ENGT 2307 – Engineering Materials I	3 SCH
YEAR 3	TOTAL HOURS:30
CHOOSE ONE: ENGL 3309 – Tech Writing & Document Design or ENGL 2311 – Technical & Business Writing	3 SCH
ENGT 3305 – Computer Aided Problem Solving	3 SCH
ENGT 3306 – Decision Making Models	3 SCH
ENGT 3310 – Applied Thermodynamics	3 SCH
ENGT 3311 – Fluid Mechanics	3 SCH
ENGT 3302 – Manufacturing Processes	3 SCH
ENGT 3312 – Heat Transfer	3 SCH
ENGT 3213 – Thermal Fluids Lab	2 SCH
ENGT 3415 – Material Science	4 SCH
ELECTIVE ^{2,5} – Any ENGT Elective	3 SCH
YEAR 4	TOTAL HOURS:26
ENGT 4325 – Senior Design A	3 SCH
ENGT 4307 – Engineering Economics	3 SCH
ENGT 4421 – Solid Modeling	4 SCH

ENGT 3320 – Quality Control Technology	3 SCH
ENGT 4326 – Senior Design B	3 SCH
ENGT 4422 – Electrical Power and Controls	4 SCH
ELECTIVE ^{2,5} – Any ENGT Elective	3 SCH
ELECTIVE ^{2,5} – Any ENGT Elective	3 SCH

TOTAL CREDITS: 120 HOURS

NOTES

Texas A&M–Central Texas only offers upper-level courses (those labeled 3XXX-5XXX), all lower-level courses (those labeled 1XXX-2XXX) should be completed at the transferring institution. A minimum of 120 semester credit hours is required for all baccalaureate degrees. For help with transfer planning, please speak with an [academic advisor](#) or [enrollment specialist](#). ***This transfer guide is intended for planning and visualization purposes and is subject to change.***

1. Refer to the General Education Core Requirements [page](#) for more information on the CORE Requirement coursework.
2. 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.
3. 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.
4. If an ENGT elective is chosen, the elective should be delayed until the third or fourth year of the degree program.
5. Any ENGT Elective is defined as the following as: Upper Division ENGT Elective Courses, MATH 2320 or MATH 3306, MATH 3332, MATH 3360, MATH 3370, BUSI 3311, MGMT 3350, MGMT 4370, or other ENGT electives can be added with approval from ENGT advisor.
6. Please work with your advisor if you are interested in any of the following tracks: Track 1 - General Engineering, Track 2 – Math, or Track 3 - Business/Management.