

Mechanical Engineering Technology - AS to BS - Texas A&M University - Central Texas (TAMUCT) 2024-2025

Lower Division Requirements at the Alamo Colleges District for an AS degree

The courses in this section meet the requirements for an Associate of Science degree. The Graduation section in any catalog of the colleges in the Alamo Colleges District lists additional Degree/Certificate Requirements.

Semester I

- [EDUC 1300 - Learning Framework](#) will transfer as EDUC 1300 but will NOT be Texas A&M University - Central Texas degree applicable
- [ENGL 1301 - Composition I](#) will transfer as ENGL 1301 [Texas Core Curriculum Communication (10) Core]
- *** Select either [MATH 1414 - College Algebra \(Precal Track\)](#) ° (ACD MATH faculty highly recommend) or [MATH 1314 College Algebra](#) will transfer as MATH 1414 or MATH 1314 but will NOT be Texas A&M University - Central Texas degree applicable [See Note in "Applicable Transfer Credit Hours" section]
- Select one course from the [Creative Arts \(50\) Core](#) will transfer as Texas Core Curriculum Creative Arts (50) Core

Semester II

- [ENGL 1302 - Composition II](#) will transfer as ENGL 1302 [Texas Core Curriculum Communication (10) Core]
- *** [MATH 2412 - Precalculus](#) ° will transfer as MATH 2412 but will NOT be Texas A&M University - Central Texas degree applicable
- Select either [CHEM 1411 - General Chemistry I](#) ° or [[CHEM 1311 General Chemistry Lecture I](#) ° and [CHEM 1111 General Chemistry Laboratory I](#) °] will transfer as CHEM 1411 [Texas Core Curriculum Life and Physical Science (30) Core] (grade must be a "C" or better)
- *** [ENGR 1201 - Introduction to Engineering](#) ° will transfer as ENGR 1201

Semester III

- [MATH 2413 - Calculus I](#) ° will transfer as MATH 2413 [Texas Core Curriculum Mathematics (20) Core]
- Select one course from the [American History \(60\) Core](#) will transfer as Texas Core Curriculum American History (60) Core

Semester IV

- [MATH 2414 - Calculus II](#) ° will transfer as MATH 2414 [Texas Core Curriculum Component Area Option (90) Core]
- [ENGR 1304 - Engineering Graphics I](#) ° will transfer as ENGR 1304
- Select either [PHYS 1401 - General Physics I](#) ° or [[PHYS 1301 General Physics I Lecture](#) ° and [PHYS 1101 General Physics I Lab](#) °] will transfer as PHYS 1401 [Texas Core Curriculum Life and Physical Science (30) Core] (grade must be a "C" or better)
- Select one course from the [American History \(60\) Core](#) will transfer as Texas Core Curriculum American History (60) Core

Semester V

- Select either [PHYS 1402 - General Physics II](#) ° or [[PHYS 1302 General Physics II Lecture](#) ° and [PHYS 1102 General Physics II Lab](#) °] will transfer as PHYS 1402

- Select either [GOVT 2305 - Federal Government](#) or [GOVT 2306 Texas Government](#) will transfer as GOVT 2305 or GOVT 2306 [Texas Core Curriculum Government/Political Science (70) Core]
- Select one course from the [Language, Philosophy & Culture \(40\) Core](#) will transfer as Texas Core Curriculum Language, Philosophy and Culture (40) Core
- Select one course from the [Social and Behavioral Sciences \(80\) Core](#) will transfer as Texas Core Curriculum Social and Behavioral Sciences (80) Core

Semester VI

- Select either [GOVT 2305 - Federal Government](#) or [GOVT 2306 Texas Government](#) will transfer as GOVT 2305 or GOVT 2306 [Texas Core Curriculum Government/Political Science (70) Core]
- [ENGL 2311 - Technical Writing](#) will transfer as ENGL 2311

Applicable Transfer Credit Hours

This transfer advising guide provides **66 college-level hours**, of which **55 will transfer and apply**, as **EDUC 1300, MATH 1314/MATH 1414 and MATH 2412** will transfer but will NOT be applicable towards the Texas A&M University - Central Texas baccalaureate degree in Mechanical Engineering Technology.

Note: Texas A&M University - Central Texas accepts a **maximum of 68 college-level hours** in transfer towards a baccalaureate degree. Students must complete the specified number of advanced credits and credits in residence for their degrees.

Note: ACD Math Faculty **Highly Recommend MATH 1414** for all Pre-Calculus (STEM) Track Programs.

Note: For the Alamo Colleges District this transfer advising guide is degree complete but NOT core complete.

Central Texas Promise - Texas A&M University-Central Texas

Central Texas Promise - Texas A&M University-Central Texas is committed to providing high quality and innovative educational opportunities at an affordable rate. Through our Central Texas Promise program, A&M-Central Texas guarantees eligible students will receive sufficient gift aid and non-loan financial assistance, from all sources, to cover the cost of mandatory tuition and fees. New degree-seeking undergraduate transfer students with an adjusted gross income of \$40,000 and a transfer GPA of 2.5 or higher are eligible when meeting enrollment requirements. Additional terms and conditions apply. Want to see if you qualify? Visit www.tamuct.edu/ctpromise or contact finaid@tamuct.edu for more information.

Transfer Central - Receive exclusive access to resources designed to help you complete your bachelor's degree on time and with less student debt. With access to A&M-Central Texas' Warrior Web portal, personalized degree plans, university email, and dedicated counselors; staying motivated and planning for your future has never been easier. If you have completed or are currently enrolled in college level coursework, including through dual credit or early college high schools, you are eligible to join. Visit www.tamuct.edu/transfcentral for more information or to sign-up.

Milestone Course(s)

*** denotes Milestone Course(s).

A milestone course is a course that is critical for success in this program as determined by the Faculty of the Alamo Colleges District.

AS Approved Course Requirements

° denotes an Alamo Colleges District AS Approved Course Requirement

The Associate of Science (AS) is designed to align closely with the first half of a Bachelor of Science (BS) degree. Students should follow the pre-major AS to BS Transfer Advising Guide for the major and university selected. The Transfer Advising Guides are developed in conjunction with the senior institution to which the student plans to transfer.

To be awarded the AS degree at one of the colleges in the Alamo Colleges District, students must have **9 hours of AS Approved Course Requirements** not included in the 42 hours of Core Curriculum. Please check with your advisor for assistance.

Additional Texas A&M University - Central Texas Advising Notes

Things to do and remember upon Admission to Texas A&M University - Central Texas

- Make an appointment with the academic advisor of the major, once accepted to Texas A&M University - Central Texas, in order to clarify department, college and university policies and procedures, to review course sequencing and to help with identifying resources for academic success. A current listing of academic advising centers can be found at <https://www.tamuct.edu/Advising/academic-advising.html>
- Refer to the official source of information on specific courses within the Texas A&M University - Central Texas requirements for this degree plan from the Texas A&M University - Central Texas [2024-2025 Undergraduate Catalog](#) or visit the web site at www.tamuct.edu
- Pay close attention to course sequencing and availability at Texas A&M University - Central Texas as it will affect the time it takes to complete the degree program.

Transfer of Credit

Community college courses may not transfer into TAMUCT as upper-division courses (3000-4000 level), even though TAMUCT may have an upper-division course with exactly the same name and description. Community college courses may not be used to fulfill the upper-division requirement for graduation at TAMUCT. However, the course may be used as a substitute for an upper-division course with an approved substitution form signed by the chair and dean.

Affordability

Based on 2019-2020 reported average tuition and fees, Texas A&M University-Central Texas is the second most affordable institution in the state of Texas for full-time undergraduate students. Students are not only able to take advantage of guaranteed tuition plans to control the cost of their education, but A&M-Central Texas's Bachelor Bonus caps tuition and mandatory fees at 12 semester credit hours. Learn more at <https://www.tamuct.edu/business-office/tuition-fees.html>.

Texas Education Code § 54.014 specifies that resident undergraduate students who initially enrolled fall 1999 and later may be subject to a higher tuition rate for attempting excessive hours at any public institution of higher education while classified as a resident student for tuition purposes. For more information, please see <http://catalog.tamuct.edu/registration-records/funding-limit/>. Please note that the requirements regarding the hours used to calculate a student's eligibility for \$1,000 Tuition Rebate vary significantly from the requirements determining excessive hours, please see <http://catalog.tamuct.edu/registration-records/tuition-rebate/>.

Using this Transfer Advising Guide with Texas A&M University - Central Texas

This Transfer Advising Guide represents Texas A&M University - Central Texas' degree plan and is subject to change at the university's discretion. It is intended for advising purposes only so students know exactly which courses they can take at any of the colleges in the Alamo Colleges District and have the courses count towards degree requirements when they transfer to Texas A&M University - Central Texas. It is highly recommended that students meet with their assigned academic advisor to review all graduation and transfer requirements listed in the Transfer Advising Guide.

The ultimate goal is to provide students with accurate information for transfer pathways while minimizing loss of credits in transfer. Students are encouraged to review Texas A&M University - Central Texas' requirements frequently.

Course numbers in *italics* are Texas A&M University - Central Texas' course numbers.

This Transfer Advising Guide is based upon **Texas A&M University - Central Texas' [2024-2025 Undergraduate Catalog](#)** and is subject to change.

The Alamo Colleges District Advising

Students are encouraged to consult with an academic advisor about courses and other educational concerns if they plan to pursue a two-year degree program, transfer to another college or university, or simply take a few selected courses. In addition to course and degree requirements, policies and procedures are subject to change; stay informed by meeting with an academic advisor regularly.

Many students who plan to transfer to a university are advised to fulfill the lower-division requirements for the university. With appropriate planning, your Alamo Colleges District team can help make the transfer experience a seamless process. It is the responsibility of all students to ensure that they take courses at the Alamo Colleges District that will be accepted by the senior institutions they wish to attend.

For more information contact [your Alamo Colleges District team](#).
