



TEXAS A&M  
UNIVERSITY  
CENTRAL TEXAS

# BACHELOR OF SCIENCE MECHANICAL ENGINEERING TECHNOLOGY

## 2020-2021 TRANSFER GUIDE



### PROGRAM DESCRIPTION

The Bachelor of Science in Mechanical Engineering Technology (MET) at Texas A&M University-Central Texas prepares students for rewarding careers with an engineering focus. The program prepares graduates for practice in product improvement, manufacturing, engineering operation, sales, production, and implementation of mechanical systems.

The MET program prepares you to become a skilled engineering technologist who is socially and professionally responsible, equipped with the technical and general communication skills to liaise between engineers, technicians, and the business portions of engineering companies. The MET program engages more hands-on learning while requiring less math and science depth than a traditional engineering degree. This discipline focuses on the applied aspects of science and engineering.

### CAREER OPPORTUNITIES

Career opportunities for graduates with a degree in Mechanical Engineering Technology include:

- Engineering Technologist
- Mechanical Designer
- Senior Process Analyst
- Engineer Technical Staff
- Computer Aided Design (CAD) Designer
- Machinery Operation and Repair
- Technical Communication

### ADMISSION PROCESS

1. Complete the undergraduate transfer application at [applytexas.org](https://applytexas.org).
2. Pay the non-refundable application fee or attend a transfer day for an application fee voucher.
3. Submit final official transcript(s) from ALL college level institutions previously attended.

Visit our program page online for more information.  
<https://www.tamuct.edu/bsengrtech>

CONTACT US



254-519-5438



[www.tamuct.edu](https://www.tamuct.edu)



1001 Leadership Place  
Killeen, Texas 76549

## FIRST YEAR

FIRST	CORE REQ	Communication Selection	3	All 1000 and 2000 level courses are to be taken from a transfer institution. Suggested course sequence should be discussed with representative from transfer institution.
	MATH 2413	Calculus I	4	
	CHEM 1411	General Chemistry I	4	
	ENGR 1201	Introduction to Engineering	2	
	CORE REQ	Creative Arts Selection	3	
SECOND	CORE REQ	Language, Philosophy, and Culture	3	Meet with an A&M-Central Texas Admission Counselor or attend a local transfer event on a campus near you!  Explore student organizations.
	PHYS 1401	College Physics I	4	
	CORE REQ	Social and Behavioral Sciences Selection	3	
	MATH 2414	Calculus II	4	
	ENGR 2301	Engineering Mechanics I Statics	3	

## SECOND YEAR

FIRST	CORE REQ	Communications Selection	3	Apply for admission to A&M-Central Texas!  *If an ENGT Elective is chosen, the elective should be delayed until the third or fourth year of the degree program
	CORE REQ	American History Selection	3	
	CORE REQ	Government/Political Science Selection	3	
	ENGR 1304 ELEC	Engineering Graphics, or Any ENGT Elective	3	
	PHYS 1402	College Physics II	4	
SECOND	CORE REQ	American History Selection	3	Meet with an A&M-Central Texas academic advisor to establish a custom plan to graduation (Student Education Planner).  Add A&M-Central Texas to your Free Application for Federal Student Aid (FAFSA). School Code: 042295
	CORE REQ	Government/Political Science Selection	3	
	ENGR 2302	Engineering Mechanics II-Dynamics	3	
	ENGR 2305	Electrical Circuits I	3	
	ENGR 2332 ENGT 2307	Mechanics of Materials, or Engineering Materials I	3	

## THIRD YEAR

FIRST	ENGL 3309 ENGL 2311	Tech Writing & Document Design, or Technical & Business Writing	3	Get involved! Visit Student and Civic Engagement and join a student organization at A&M-Central Texas.  Meet with Career and Professional Development to explore internship and student employment opportunities.
	ENGT 3305	Computer Aided Problem Solving	3	
	ENGT 3306	Engineering Ethics	3	
	ENGT 3310	Applied Thermodynamics	3	
	ENGT 3311	Fluid Mechanics	3	
SECOND	ENGT 3302	Manufacturing Processes	3	Meet with advisor to update Student Education Planner if necessary.  Explore study abroad opportunities.
	ENGT 3312	Heat Transfer	3	
	ENGT 3213	Thermal Fluids Lab	2	
	ENGT 3415	Material Science	4	
	ELEC	ENGT Elective Selection	3	

## FOURTH YEAR

FIRST	ENGT 4325	Senior Design A	3	Verify plan for graduation with academic advisor.  Meet with Career and Professional Development and prepare for future job interviews.
	ENGT 4307	Engineering Economics	3	
	ENGT 4421	Solid Modeling	4	
	ENGT 3320	Quality Control Technology	3	
SECOND	ENGT 4326	Senior Design B	3	Submit graduation application and attend Graduation Fair.
	ENGT 4422	Electrical Power and Controls	4	
	ELEC	ENGT Elective Selection	3	
	ELEC	ENGT Elective Selection	3	

**NOTES** Transfer guides are for general advising and planning purposes only. Enrollment in specific courses may also complete core requirements, resulting in additional elective opportunities. Official degree plans will be established at the time of admission. Please refer to the University catalog for policies, course descriptions, and prerequisite information. Transfer guides are subject to change based on catalog year.