



**Transfer Guide Between Tarrant County College District (TCCD)
And**

The University of Texas Permian Basin (UTPB)

This Transfer Guide is subject to the Memorandum of Agreement between Tarrant County College District and The University of Texas Permian Basin entered into as of 02/24/21 by and between TCCD and UTPB. This Transfer Guide will terminate upon termination or expiration of the Memorandum of Agreement between Tarrant County College District and The University of Texas Permian Basin.

1. Purpose

To provide a seamless pathway from Associate of Science in Engineering at TCC to Bachelor of Science in Mechanical Engineering at UTPB.

2. Transfer Guide

First Year – Tarrant County College District

FIRST SEMESTER	SECOND SEMESTER
MATH 2413 - Calculus I	MATH 2414 - Calculus II
ENGL 1301 - Composition I	PHYS 2425 - University Physics I (Lecture + Lab)
ENGR 1201** - Introduction to Engineering	ENGL 1302 or ENGL 2311
ECON 2301 - Principles of Macroeconomics	COSC 1436 or COSC 1420*
SPCH 1311 or SPCH 1321	

Second Year – Tarrant County College District

FIRST SEMESTER	SECOND SEMESTER
MATH 2415 Calculus III	CHEM 1411 General Chemistry I
PHYS 2426 University Physics II	HIST 1302 - US History II
GOVT 2305 Federal Government	ENGR 2305 - Electrical Circuits I
HIST 1301 - US History I	ENGR 2302 Engineering Dynamics
ENGR 2301 Engineering Statics	GOVT 2306*** State & Local Politics

Third Year – The University of Texas Permian Basin

FIRST SEMESTER	SECOND SEMESTER
ENGR 3332 Mechanics of Materials	MENG 3348 Comp.-Aided ME Design
ENGR 3375 Intro. to Thermodynamics	MENG 3351 Heat Transfer
ENGR 3354 Intro. to Fluid Mechanics	MENG 3356 Fluid Mechanics II
MENG 3206 Mechanical Engr. Lab I	MENG 3376 Thermodynamics II
MATH 3320 - Differential Equations	ENGR 3303 Introduction to material Science
Creative Arts Option (3 hrs)	ENGR 1204 Engineering Graphics

Fourth Year – The University of Texas Permian Basin

FIRST SEMESTER	SECOND SEMESTER
MENG 3324 Manufacturing Processes	ENGR 3326 Engineering Economics
MENG 4205 T/F and Mech. Sys. Lab	MENG 4206 ME Laboratory II
MENG/NENG 4XXX Elective	MENG 3364 Mechanical Design I
ENGR 3390 Computer Aided Programing	MENG/NENG 4XXX Elective
MATH 3310 Linear Algebra	MENG 4478 Senior Design
MATH 3301 Introduction to Probability I	Language/Culture/Philosophy Option (3 hrs)

3. Transfer Guide Legend

* COSC 1420 is strongly recommended for Electrical Engineering majors.

4. Notes

Any additional qualifiers or other requirements specific to prospective students and/or this degree plan should be added by the administrator completing this form in the Notes section below

** ENGR 1201 and COSC 1436 or 1420 are required for the Associate of Science in Engineering at TCCD but not for the Bachelor of Science in Mechanical Engineering degree at UTPB.

***GOVT 2306 is required for the Bachelor of Science in Mechanical Engineering degree at UTPB but not required for the Associate of Science in Engineering at TCCD.

5. Updates

The very nature of higher education results in periodic curriculum changes. Should these changes occur to either the TCCD program listed below

2020-2021: ASSOCIATE OF SCIENCE IN ENGINEERING (ASCE.D005.UG)

or to the program from the partner institution listed below

2020-2021: BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

the institution with the change will notify the partner institution and a new Transfer Guide will be developed, if necessary.

6. Notice to Students

Degree plans may change in later catalogs, and if they do, those changes may affect your requirements for graduation. For example, developmental coursework may be required, or courses that are currently offered might not be offered in the future or be available at the time you wish to enroll. It is your responsibility to check with an academic advisor regularly, throughout your enrollment, and be aware of any changes that may occur.