



**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 Chemical 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	GOVT 2306 - State and Local Politics
HIST 1301 - US History I	ENGR 1304 or ENGR 2301 or ENGR 2302 ENGR 2305 or ENGR 2308 or ENGR 2332 or MATH 2318
MATH 2320 - Differential Equations	CHEM 1412*** - General Chemistry II

Third Year – The University of Texas Permian Basin

FIRST SEMESTER	SECOND SEMESTER
CHEM 3311/3113 - Organic Chemistry I	CHEM 3312/3112 - Organic Chemistry II
CENG 2333 - Elementary Chemical Eng	CENG 3211 - Chemical Engineering Lab I
CENG 3320 - Chemical Engineering Analysis	ENGR 3303 Intro to Materials Science
CENG 3304 - Chemical Eng Fluid Operation	ENGR 3313 - Heat Transfer Operation
ENGR 3375 - Thermodynamics	CENG 3354 - Chemical Eng Thermodynamics
Creative Arts Option (3 hrs)	CENG 4324 - Chemical Eng Mass Transfer

Fourth Year – The University of Texas Permian Basin

FIRST SEMESTER	SECOND SEMESTER
CENG 4372 - Chemical Engineering Kinetics	CENG 4355 - Process Safety Engineering
CENG 4211 - Chemical Engr. Lab II	CENG 4361 - Process Dynamics & Control
CENG 4369 - Gas & Petroleum Processing	CENG 4XXX Technical Elective
CENG 4XXX - Technical Elective	PENG 3326 - Petroleum Economics
ENGR 4195 - Professional Practice	CENG 4410 Senior Design
MATH 3301 - Into 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 Chemical Engineering degree at UTPB.

***CHEM 1412 is required for the Bachelor of Science in Chemical Engineering at UTPB but not 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 CHEMICAL 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.