



**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 Petroleum 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 <b>or</b> ENGL 2311
ECON 2301 - Principles of Macroeconomics	COSC 1436 <b>or</b> COSC 1420*
SPCH 1311 <b>or</b> 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 2302 Engineering Dynamics
MATH 2320 Differential Equations	GEOL 1403*** Physical Geology

### Third Year – The University of Texas Permian Basin

FIRST SEMESTER	SECOND SEMESTER
PENG 2101 Fundamentals of Pet Engineering	PENG 3305 Well Design
PENG 3302 Reservoir Rocks & Fluids	PENG 4301 Production Engineering
ENGR 3332 Mechanics of Materials	PENG 3354 Petroleum Fluid Mechanics
PENG 3304/3104 Reservoir Engineering	PENG 3307 Formation Evaluation
PENG 3301/3101 Drilling Engineering	MATH 3301 Introduction to Probability I
Creative Arts Option (3 hrs)	Language/Culture/Philosophy Option (3 hrs)

### Fourth Year – The University of Texas Permian Basin

FIRST SEMESTER	SECOND SEMESTER
PENG 4302 Well Testing	PENG 4303 Reservoir Description
PENG 4305 Reservoir Engineering II	PENG 3375 Petroleum Fluids and Thermo
PENG 4309 Petroleum Data Analytics	PENG 3326 Pet. Res. Econ. & Val.
PENG 4XXX level Elective	GEOL 3212/3112 Sedimentary Rocks
PENG 4410 Senior Design	PENG 4XXX Elective

### 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 Petroleum Engineering degree at UTPB.

\*\*\* GEOL 1403 is required for the Bachelor of Science in Petroleum Engineering 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 PETROLEUM 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.