



**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 Electrical 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	MATH 2318 Linear Algebra
HIST 1301 - US History I	MATH 2320 Differential Equations
ENGR 2305 Electrical Circuits	GOVT 2306*** State and Local Politics

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

FIRST SEMESTER	SECOND SEMESTER
EENG 2105 Fundamental of Circuit Analysis	EENG 3303 Electromagnetic Fields
EENG 2310 Digital Circuit Design	EENG 3304 Electric Circuits II
EENG 2110 Digital Circuit Lab	EENG 3373 Engineering Statistics
EENG 2320 Foundations of Elec Engineering	EENG 3309 Electronic Cir Analysis II
EENG 3306/3106 Electronic Circuits Analysis I	EENG 3380 Signals and Systems
Creative Arts Option (3 hrs)	

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

FIRST SEMESTER	SECOND SEMESTER
EENG 3314 Design Methodology	EENG 4340 Control Systems
EENG 4330 Electric Machines	EENG 4460 Senior Design
EENG 4310 Electric Power Systems	ENGR 4195 Professional Practice
EENG 4110 Electric Power Systems Lab	EENG 4XXX Technical Elective
EENG 3307 Microprocessors	EENG 4XXX Technical Elective
EENG 4325 Communication Theory	Literature/Philosophy/Culture Option (3hrs)

### 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 is required for the Associate of Science in Engineering at TCCD but not for the Bachelor of Science in Electrical Engineering degree at UTPB.

\*\*\*GOVT 2306 is required for the Bachelor of Science in Electrical 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 ELECTRICAL 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.