

UTPA Electrical Engineering Information for Transfer Students from South Texas College

Math and Science Courses

The following courses will transfer and count toward the BSEE degree:

- Calculus I, II, and III: MATH 2413, 2414, 2415
- Differential Equations: MATH 2420 (see Note 1)
- A programming course, for example COSC 1420 or higher (see Note 2)
- Chemistry: CHEM 1411 (or higher)
- Physics: PHYS 2425, 2426

Engineering Courses

The following courses will transfer and count toward the BSEE degree:

- Intro to Engineering: ENGR 1101
- Digital Systems Engineering I: ENGR 2430 (see Note 3)
- Statics & Dynamics: ENGR 2301 & ENGR 2302 (see Note 4)

Technology Courses

- Students who complete an Associates degree in a technical area can have the Intro to Engineering requirement at UTPA waived.
- Students who complete an AC/DC circuits course sequence can have the laboratory part of Circuits I waived, and may take a challenge final exam to get credit for the lecture part of Circuits I.
- Students who complete a digital circuits course sequence can receive credit for the laboratory part of Digital I, and may take a challenge final exam to get credit for the lecture part of Digital I.

General Education Courses

You have two options.

(OPTION #1 - Core-for-Core) If you complete the entire core curriculum at STC, you will not have to take any more courses to satisfy the UTPA core, even if the courses are not the same. When you come for advisement, request a “core-for-core” transfer. See Note 5 below.

(OPTION #2 - Transfer Individual Courses) The courses below will transfer and count toward the BSEE degree. Some other courses may also count in each of the categories. Contact the related department at STC or UTPA to check other possibilities.

- Composition I & II: ENGL 1301 and 1302
- 3 hours of English literature
- History I & II: HIST 1301 and 1302
- Government I & II: GOVT 1301 and 1302
- 3 hours of Art Appreciation, Music Appreciation, or similar
- 3 hours of Economics: ECON 2301 or ECON 2302
- 3 hours of Foreign Language

Social science courses such as sociology, psychology and anthropology satisfy the UTPA core; however, the EE department prefers that you take economics as your social science. If you have already taken another social science, please contact the EE department.

STC offers philosophy courses that satisfy the UTPA core; however, the EE department prefers that you take our Professional Ethics course that was designed specifically for engineers. If you have already taken another philosophy course, please contact the EE department.

Notes

1. Differential Equations from STC will transfer as generic 2000 level math; however, we will do a degree substitution to allow it to count toward your degree.
2. The CS course you receive credit for at UTPA may vary; however, we will do a degree substitution to allow it to count toward your degree.
3. You will receive credit for two courses, ELEE 2330 and 2130, at UTPA.
4. ENGR 2301 & 2302 together replace MECE 2405 in the BSEE degree plan.
5. You still need to satisfy EE specific requirements. For example, biology would satisfy the core and enable you to take Option #1, but you still need chemistry and physics as specific departmental requirements for a BSEE degree.

