

# College of Science and Technology

## B.S. Electrical Engineering

### Degree Offered at Stephenville Location

Course rotation and availability may vary based on location

### 2019-2020 Texas Common Course Numbering System Advising Guide



YEAR	FIRST SEMESTER			SECOND SEMESTER		
	TSU Requirement	TCCNS Option	Credit Hours	TSU Requirement	TCCNS Option	Credit Hours
F I R S T	ENGR 1100 TSU Core: CAO	PSYC or EDUC 1100, PSYC or EDUC 1200, PSYC or EDUC 1300	1	ENGL 1302 TSU Core: Communications	ENGL 1302	3
	ENGL 1301 TSU Core: CAO	ENGL 1301	3	MATH 2414	MATH 2414	4
	MATH 2413 TSU Core: Mathematics <sup>1</sup>	MATH 2413	4	PHYS 2425 TSU Core: Life & Physical Science	PHYS 2425	4
	ENGR 1211	None	2	ENGR 1212	None	2
	CHEM 1409 <sup>2</sup> (Fall Only)	CHEM 1409	4	TSU Core: Creative Arts	See list of approved courses	3
<b>Total Hours</b>			<b>14</b>	<b>Total Hours</b>		<b>16</b>

YEAR	FIRST SEMESTER			SECOND SEMESTER		
	TSU Requirement	TCCNS Option	Credit Hours	TSU Requirement	TCCNS Option	Credit Hours
S E C O N D	MATH 3306	None	3	HIST 1302 TSU Core: American History	HIST 1302	3
	PHYS 2426 TSU Core: Life & Physical Science	PHYS 2426	4	TSU Core: Social & Behavioral Science	See list of approved courses	3
	HIST 1301 TSU Core: American History	HIST 1301	3	ENGR 3311 (Spring Only)	None	3
	COSC 1310	None	3	ELEN 2425	None	4
	ELEN 2448	None	4	ENGR 2322	None	3
<b>Total Hours</b>			<b>17</b>	<b>Total Hours</b>		<b>16</b>

YEAR	FIRST SEMESTER			SECOND SEMESTER		
	TSU Requirement	TCCNS Option	Credit Hours	TSU Requirement	TCCNS Option	Credit Hours
T H I R D	ELEN 3445 (Fall Odd Only)	None	4	MATH 3433	None	4
	ELEN 4441 (Fall Only)	None	4	TSU Core: Language, Philosophy, & Culture	See list of approved courses	3
	MATH 3310 (Fall Only)	None	3	ELEN 4446 (Spring Even Only)	None	4
	ELEN 3314* (Fall Only)	None	3	ELEN 4336 (Spring Even Only)	None	3
	ELEN 3320 (Fall Only)	None	3	Advanced COSC or MATH elective <sup>3</sup>	None	3
<b>Total Hours</b>			<b>17</b>	<b>Total Hours</b>		<b>17</b>

YEAR	FIRST SEMESTER			SECOND SEMESTER		
	TSU Requirement	TCCNS Option	Credit Hours	TSU Requirement	TCCNS Option	Credit Hours
F O U R T H	GOVT 2305 TSU Core: Government/Political Science	GOVT 2305	3	GOVT 2306 TSU Core: Government/Political Science	GOVT 2306	3
	TSU Core: Communications	See list of approved courses	3	ELEN 4443 (Spring Only)	None	4
	ELEN 3443 (Fall Only)	None	4	ELEN 4355 (Spring Odd Only)	None	3
	ELEN 3332 or PHYS 3332 (Fall Only)	None	3	ELEN 4350 (Spring Odd Only)	None	3
	ENGR 4259 (Fall Only)	None	2	ENGR 4360* (Spring Only)	None	3
<b>Total Hours</b>			<b>15</b>	<b>Total Hours</b>		<b>16</b>

\*Designates Writing Intensive Courses

#See University Catalog or Academic Advisor for Applicable Courses

Degree Completion: 128 hours

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## *B.S. Electrical Engineering*



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#### **Degree Specific**

- This 8 semester evaluation is contingent on the successful completion of each class. Please note this evaluation is designed with **prerequisites and course rotation in mind.**
- <sup>1</sup>Placement for Calculus 1 is by the CLMPE placement exam, or by college credit for MATH 1316 or MATH 2412. Contact Tarleton's Center for Academic Testing for test information and
- If a student has TSI deficiencies, there is no guarantee that the degree will be completed in 8 semesters.  
For all programs in the ENCS department, students must earn a grade of "C" or better in all required Engineering, Computer Science, Mathematics and Science coursework to graduate, as well as to proceed to follow-up courses. Please see the academic catalog for further information.
- <sup>2</sup>Students completing CHEM 1409 and changing majors to curricula requiring CHEM 1411 and CHEM 1412 may substitute CHEM 1409 for CHEM 1411. Transfers in to engineering will articulate CHEM 1412 to CHEM 1409.
- <sup>3</sup>Students may choose from the following for their advanced COSC or MATH elective: COSC 3360, COSC 3365, COSC 4401, COSC 4478\*, MATH 3320, MATH 4306, or MATH 4320.
- **All Students must contact a Departmental Faculty Advisor for guidance on Engineering Computer Science content.**

#### **Degree Information**

- This 128 hour four-year degree plan provides a model for on-time completion of this TSU program using as many TCCNS courses as possible. The four-year plan also shows the first point when no TCCNS options are available for this program. See the current Undergraduate Catalog for course prerequisites. Course availability at TSU is subject to change, and the plan shown below may change based on updates to TSU's course offerings.  
Texas Common Course Numbering System (TCCNS) provides a shared, uniform set of course designations for students and their advisors to use in determining both course equivalency and degree applicability of transfer credit on a statewide basis.
- **Individual academic programs may require specific courses contained in parts of the University Core Curriculum as prerequisites for certain major requirements.** Students who wish to take courses that will fulfill both core and major requirements simultaneously should check with academic advisors for assistance in selecting core courses.  
Students meet the Writing Proficiency Requirement by completing two upper-level Writing Intensive courses in their major or courses designed for their degree program. Contact the Academic Advisor for additional information or questions.
- Residence is satisfied only by official enrollment in and completion of course work applied toward the degree requirements.  
A minimum of 30 semester hours of work counted toward the degree must be completed with Tarleton. The work completed at Tarleton and counted toward the degree must include at least 24 advanced hours (3000 or 4000 level) and 12 of these advanced hours must be in the major subject.
- A minimum of 45 advanced credits (3000/4000 level course work) are required and needed to satisfy degree requirements.
- How does duplicating a course impact my GPA?  
A student may take a course a second or subsequent time at the same institution. The highest grade will be included in the GPA calculation.
- Can I take a course at another school and transfer it back to TSU?  
If you plan to take a course at another school and transfer it back to TSU, you need to meet with both an advisor and Transfer Services. An advisor can tell you the correct course number to take and assist with completion of a Concurrent Enrollment Form if needed.