

# College of Science and Technology

## B.S. Engineering Physics - General Engineering

### 2017-2018 Texas Common Course Numbering System Advising Guide

**\*\*The Bachelor of Science degree in Engineering Physics will be phased out by the university beginning in the Fall of 2017, no new admits will be accepted into this program. This program has been replaced by the Bachelor of Science degree in Mechanical Engineering.\*\***



YEAR	FIRST SEMESTER			SECOND SEMESTER		
	TSU Requirement	TCCNS Option	Credit Hours	TSU Requirement	TCCNS Option	Credit Hours
FIRST SEMESTER	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+	MATH 2413	4	PHYS 2425 TSU Core: Life and Physical Science	PHYS 2425	4
	CHEM 1412+	CHEM 1412	4	TSU Core: Communications	See list of approved courses	3
	ENGR 1211	None	2	ENGR 1212	None	2
	<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
SECOND SEMESTER	PHYS 2426 TSU Core: Life and Physical Science	PHYS 2426	4	GOVT 2305 TSU Core: Government/Political Science	GOVT 2305	3
	MATH 3306	None	3	MATH 3433	None	4
	ENGR 2321 (Fall Only)	None	3	ENGR 2324 (Spring Only)	None	3
	ENGR 2322 (Fall Only)	None	3	ELEN 2425 (Spring Only)	None	4
	Approved Elective in CS, PHYS, GEOL, or CHEM	None	4	ENVE 3400 (Spring Only)	None	4
	<b>Total Hours</b>			<b>17</b>	<b>Total Hours</b>	
			<b>18</b>			
YEAR	FIRST SEMESTER			SECOND SEMESTER		
	TSU Requirement	TCCNS Option	Credit Hours	TSU Requirement	TCCNS Option	Credit Hours
THIRD SEMESTER	GOVT 2306 TSU Core: Government/Political Science	GOVT 2306	3	HIST 1301 TSU Core: American History	HIST 1301	3
	MEEN 3440 (Fall Only)	None	4	ENGR 3311 (Spring Only)	None	3
	ELEN 3314* (Fall Only)	None	3	CVEN 3423 (Spring Only)	None	4
	ELEN 3320 (Fall Only)	None	3	Advanced Elective from CVEN, ELEN, ENGR, ENVE, OR MEEN	None	3
	Approved Elective in CS, PHYS, GEOL, or CHEM	None	3	Approved Advanced Elective in CS, PHYS, GEOL, or CHEM	None	4
	<b>Total Hours</b>			<b>16</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
FOURTH SEMESTER	TSU Core: Social and Behavioral Sciences	See list of approved courses	3	TSU Core: Language, Philosophy & Culture	See list of approved courses	3
	HIST 1302 TSU Core: American History	HIST 1302	3	TSU Core: Creative Arts	See list of approved courses	3
	Advanced Elective from CVEN, ELEN, ENGR, ENVE, OR MEEN	None	3	Advanced Elective from CVEN, ELEN, ENGR, ENVE, OR MEEN	None	3
	Advanced Elective from CVEN, ELEN, ENGR, ENVE, OR MEEN	None	3	Approved Advanced Elective in CS, PHYS, GEOL, or CHEM	None	4
	ENGR 4259 (Fall Only)	None	2	ENGR 4360* (Spring Only)	None	3
	<b>Total Hours</b>			<b>14</b>	<b>Total Hours</b>	
			<b>16</b>			

\*Designates Writing Intensive Courses

#See University Catalog or Academic Advisor for Applicable Courses

+See Back Page

Degree Completion: 128 hours

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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.**
- **Students may take CHEM 1409, College Chemistry for Engineers, in replace of CHEM 1412. Please see an Advisor for additional information or questions.**
- **All Students must contact a Departmental Faculty Advisor for guidance on Engineering Computer Science content.**

#### **Degree Information**

- 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.

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 may change based on updates to TSU's course offerings.

- **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 must be completed through upper level courses (3000 or 4000 level) delivered by Tarleton and 12 of these advanced hours must be in the major.

- 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.