



## Field of Study Transfer Curriculum for ENGINEERING

The Associate of Science degree in the engineering field of study is designed to meet the requirements of the first two years of a Bachelor of Science (BS) program and to facilitate transfer to any Texas college or university offering a BS engineering program. Students completing the field of study as outlined above will not be core complete. If a student desires to complete the core curriculum the student should also take a creative arts course (3 hours) and two component area option courses from the core curriculum (6 hours).

### PREREQUISITE SEMESTER

Course	Semester Hours
MATH 1314 College Algebra (if needed)	3
ENGR 1201 Introduction to Engineering (if needed)	2
MATH ..... MATH (see list in core curriculum)	3-4
	8-9

### FIRST YEAR

#### FIRST SEMESTER

Course	Semester Hours
CHEM 1411 General Chemistry I	4
ENGL 1301 Composition I	3
HIST 1301 United States History I	3
ECON ..... ECON 2301	3
	13

#### SECOND SEMESTER

Course	Semester Hours
ENGL ..... ENGL 1302 or ENGL 2311	3
HIST 1302 United States History II	3
MATH 2413 Calculus I	4
..... Language, Philosophy & Culture (see list in core curriculum)	3
	13

### SECOND YEAR

#### FIRST SEMESTER

Course	Semester Hours
MATH 2414 Calculus II	4
ENGR 2301 Statics	3
GOVT 2305 Federal Government	3
	10

#### SECOND SEMESTER

Course	Semester Hours
MATH 2415 Calculus III	4
ENGR 2302 Dynamics	3
ENGR 2332 Mechanics of Materials	3
GOVT 2306 Texas Government	3
	13

#### SUMMER I TERM

Course	Semester Hours
PHYS 2425 University Physics I	4
MATH 2320 Differential Equations	3

**SUMMER II TERM****Course**

PHYS 2426 University Physics II

**Semester Hours**

4

4

**TOTAL HOURS 60**