

ASSOCIATE OF SCIENCE DEGREE in ENGINEERINGDetailed course information is available from the [Course Descriptions](#) section of the online catalog.**Core Component**

THECB Core Curriculum Component	Courses	Credit Hours*
Communication	Choose Two (2): ENGL 1301,1302, 2311	6
Mathematics	MATH 2413	3 [^]
Life and Physical Sciences	CHEM 1411* and PHYS 2425	6 [^]
Language, Philosophy, Culture	Choose One (1): ENGL 2323, 2333; PHIL 1301, 2306	3
Creative Arts	Choose One (1): ARCH 1302; ARTS 1304; DRAM 1310	3
American History	Choose Two (2): HIST 1301, 1302, 2301	6
Government/Political Science	GOVT 2305 and 2306	6
Social and Behavioral Sciences	Choose One (1): ANTH 2346, ECON 2302, GEOG 1302, SOCI 1301	3
Component Area Option	Count overflow hours from Life and Physical Sciences and Mathematics and Choose One (1): SPCH 1311, 1315, 1321	6 [^]
^ In the Component Area Option: 1 hour overflows from Mathematics and 2 hours overflow from Life and Physical Science.		
Total Core Curriculum Hours		42

Academic Electives

Discipline	Courses	Credit Hours
Academic Electives	ENGR 2301, 2302, 2406** or Dean approved Engineering course.	6
Total General Academic Elective Hours		6

Area of Concentration

Discipline	Courses	Credit Hours
Engineering	MATH 2414, 2415; and PHYS 2426	12
Total Area of Concentration Hours		12

Total Hours for Degree		60
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***Note:** The second digit of a course rubric identifies the number of credit hours a student will earn upon completing the course. For example: **ENGL 1301** is a 3 credit hour course, as denoted by the 2nd digit.

Degree Notes:

- * CHEM 1470 aligns with CHEM 1411
- ** ENGR 2406 is transferrable to Texas A&M University as ENTC 219