

ENGINEERING
(Field of Study – Mechanical Engineering)
Associate of Science

(Degree Audit Program Code: AS-ENGR-MECH)

The transfer curriculum below is designed for students who plan to pursue a degree in Mechanical Engineering at a senior college or university after completing their studies at Galveston College. * Upon successful completion of the prescribed courses, the student will be eligible to graduate from Galveston College with an Associate of Science degree.

				FIRST YEAR			
First Semester				Second Semester			
ENGL	1301	Composition I	3	ENGL	1302	Composition II	3
HIST	1301	US History I ¹	3	HIST	1302	US History II ¹	3
MATH	2413	Calculus I [^]	4	MATH	2414	Calculus II	4
CHEM	1411	General Chemistry I ¹⁰	4	PHYS	2425	University Physics I	4
ENGR	1201	Introduction to Engineering ¹¹	2				
			16				14
				SECOND YEAR			
First Semester				Second Semester			
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
MATH	2415	Calculus III	4	MATH	Elective ¹³ or Engineering Elective ¹⁴		3
PHYS	2426	University Physics II	4	Social Behavior Science Elective ⁷			3
ENGR	2401	Engineering Mechanics: Statics	4	ENGR	2302	Engineering Mechanics: Dynamics	3
				Creative Arts ³ or Language, Philosophy & Culture ⁴			3
				Elective			
			15				15

Total Semester Credit Hours: 60

Notes:

*Degree requirements may vary among different senior institutions. Students should consult an advisor for specific course selection.

[^]This degree plan assumes that students have been placed into Calculus. Students not meeting this requirement should consult with their advisor for placement into foundation courses.

¹HIST 2301 may be substituted for either HIST 1301 or HIST 1302.

³Select one course from ARTS 1301, ARTS 1303, COMM 2366, DRAM 1310, DRAM 2366, HUMA 1301, MUSI 1306, or MUSI 1310.

⁴Select one course from ARTS 1304, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL2342, ENGL 2343, HUMA 1302, PHIL 1301, PHIL 2306, PHIL 2307, PHIL 2321. Students should consult the STEM advisor.

⁵Select one course from CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, KINE 1304, KINE 1346, PSYC 2301, SOCI 1301, SOCI 1306.

¹⁰ Some mechanical engineering programs require General Chemistry II in addition to General Chemistry I. The student is advised to check with the school which he or she intends to transfer for specific requirements.

¹¹ Some mechanical engineering programs will accept the course ENGR 1201 for credit as applicable to the engineering major, while other will accept the course for transfer credit only. The student is advised to check with the school in which he or she intends to transfer for specific applicability of this course to the engineering major.

¹³ Select from MATH 2318, MATH 2320, OR MATH 2321. Students should consult the STEM advisor for course selection.

¹⁴ Select from ENGR 1304, ENGR 2304, ENGR 2305 and ENGR 2105, CHEM 1412 or COSC 1336. Students should consult the STEM advisor for course selection.