

**ENGINEERING**  
**(Field of Study – Electrical Engineering)**  
**Associate of Science**

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

The transfer curriculum below is designed for students who plan to pursue a degree in Electrical 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**

<b>First Semester</b>				<b>Second Semester</b>			
ENGL	1301	Composition I	3	Social Behavioral Science Elective <sup>7</sup>			3
HIST	1301	US History I <sup>1</sup>	3	HIST	1302	US History <sup>1</sup>	3
MATH	2413	Calculus I <sup>^</sup>	4	MATH	2414	Calculus II	4
CHEM	1409	General Chemistry for Engineering Majors Elective*	4	PHYS	2425	University Physics I	4
			2	ENGL	1302	Composition II	3
			<b>15</b>				<b>17</b>

**SECOND YEAR**

<b>First Semester</b>				<b>Second Semester</b>			
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
MATH	2415	Calculus III	4	COSC	1320	C Programming	3
PHYS	2426	University Physics II	4	ENGR	2305	Electrical Circuits	3
MATH	2320	Differential Equations	3	ENGR	2105	Electrical Circuits Lab	1
			3			Creative Arts <sup>3</sup> or Language, Philosophy & Culture <sup>4</sup> Elective	3
			<b>14</b>				<b>14</b>

**Total Semester Credit Hours: 60**

Notes:

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

<sup>^</sup>This degree plan assumes that students have been placed into Calculus. Students not meeting this requirement should consult with their advisor for placement into MATH courses.

<sup>1</sup>HIST 2301 may be substituted for either HIST 1301 or HIST 1302.

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

<sup>4</sup>Select 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.

<sup>7</sup>Select course from CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, PHED 1304, PHED 1346, PSYC 2301, SOCI 1301, SOCI 1306. Students should consult the STEM advisor for course selection.