MATHEMATICS
Associate of Science

(Degree Audit Program Code: AS-MATHEMATICS)

The transfer curriculum below is designed for students who plan to pursue a Bachelor of Science degree in Mathematics 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	2312	Pre-Calculus	3	MATH	2413	Calculus I	4
Life & Physical Sciences Core Elective[5]			3	MATH	2305	Discrete Mathematics	3
Creative Arts Core Elective[3]			**3**	Life & Physical Sciences Elective[5]			**3**
			15				**16**

SECOND YEAR

First Semester				Second Semester			
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
Social & Behavioral Sciences Elective[7]			3	MATH	2415	Calculus III	4
MATH	2414	Calculus II	4	MATH	2320	Differential Equations	3
MATH	2318	Linear Algebra	**3**	Language, Philosophy & Culture Elective[4]			3
			16	Elective[11]			**3**
							16

TOTAL SEMESTER CREDIT HOURS: 60

Notes:

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

[1] Select two courses from: HIST 130, HIST 1302 and HIST 2301.

[2] Pre-requisite for Pre-Calculus is MATH 1314 unless initial math placement is higher than college algebra.

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

[4] Select one course from ARTS 1304, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, HIST 2311, HIST 2312, HUMA 1302, PHIL 1301, PHIL 2306, PHIL 2307.

[5]Select two course from BIOL 1322, BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, CHEM 2423, CHEM 2425, ENVR 1301, ENVR 1302, KINE 1301, PHYS 1401, PHYS 1402, PHYS 2425, or PHYS 2426.

[7]Select one course from CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, KINE 1304, KINE 1346, PSYC 2301, SOCI 1301, or SOCI 1306.

[11]It is suggested that the student use this elective to complete COSC 1336 Programming Fundamentals I since basic proficiency in computing programming is required for most baccalaureate level mathematics degree programs.