

## 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.

### FULL-TIME ENROLLMENT

#### FIRST YEAR

<b>First Semester</b>				<b>Second Semester</b>			
ENGL	1301	Composition I	3	ENGL	1302	Composition II	3
HIST	1301	US History I <sup>1</sup>	3	HIST	1302	US History II <sup>1</sup>	3
MATH	2312	Pre-Calculus <sup>^</sup>	3	MATH	2413	Calculus I	4
		Life & Physical Sciences Elective	3	MATH	2305	Discrete Mathematics	3
		Creative Arts Elective <sup>2</sup>	3			Life & Physical Sciences Elective <sup>2</sup>	3
			<b>15</b>				<b>16</b>

#### SECOND YEAR

<b>First Semester</b>				<b>Second Semester</b>			
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
		Social & Behavioral Sciences Elective <sup>2</sup>	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 <sup>4</sup>	3
			<b>13</b>			Elective <sup>3</sup>	3
							<b>16</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 Pre-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>2</sup>Select from courses listed in Galveston College's Core Curriculum section of this catalog.

<sup>3</sup>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.