

LIBERAL ARTS AND SCIENCES
LIBERAL ARTS AND SCIENCES - MATHEMATICS (LAM)
(HEGIS 5617)

This program of study is recommended for transfer students planning to earn a baccalaureate degree with a major in mathematics.

It is recommended that students entering the program have four units of high school academic math.

The Associate in Arts (A.A.) degree is awarded upon completion of the requirements for this program.

Courses should be selected in consultation with an advisor.

Course No.	Descriptive Title	Cr.Hrs.
FIRST SEMESTER		
LAM 100 or LAH 100 (a)	Mathematics Introductory Seminar	1
CPS 141	Introduction to Computer Science (c)	4
ENG 101	Composition I	3
MAT 221	Analytic Geometry and Calculus I	4
WFE 101	Lifetime Wellness and Fitness	<u>3</u>
	TOTAL	15
SECOND SEMESTER		
ENG 102	Composition II	3
HIS 104, HIS 108, or HIS 121		3
MAT 222	Analytic Geometry and Calculus II	4
PHY 151	Engineering Physics I (b)	4
General Education Elective (d)		<u>3</u>
	TOTAL	17
THIRD SEMESTER		
BHS 103	Social Problems in Today's World	3
MAT 223	Analytic Geometry and Calculus III	4
	General Education Elective (d)	3
MAT 214 or 217	Discrete Mathematics Introduction to Proofs (g)	3
PHY 152	Engineering Physics II (b)	<u>4</u>
	TOTAL	17
FOURTH SEMESTER		
MAT 215	Introduction to Linear Algebra	3
MAT 224	Differential Equations	4
Electives (e)	(4-6 credits)	
Free Elective (f)	(3-4 credits)	<u>8-10</u>
	TOTAL	15-17
TOTAL 64 CREDIT HOURS		

- a. LAM students enrolled in MAT 185, 215, 221, 223 or 224 take LAM 100. All others take LAH 100.
- b. PHY 121/122 is an acceptable alternative to PHY 151/152 at some transfer colleges. Check with your advisor concerning a waiver.
- c. Two of the following courses CIS 112, 114, 214, may be substituted for CPS 141.
- d. General Education Elective: Courses applicable to this program are listed in the General Education Appendices D, E, F, G, H and I. Students may select a course from Appendix D only if HIS 104 or HIS 121 have not been previously taken. Students may select a course from Appendix F only if HIS 108 has not been previously taken. See page 98 for the list of the General Education Appendices.
- e. Courses applicable to this program are: (a) specific courses listed above; (b) courses applicable in all programs, See page 96; CPS 142, CPS 231 with department approval. A minimum of 8 elective credits including the free elective is required.
- f. See page 97 for a full discussion of the free elective requirement. The subject area for Mathematics includes all courses labeled MAT.
- g. Students should select either MAT 214 or MAT 217 based on the requirements of their prospective transfer colleges.