PROGRAM: AS LIBERAL ARTS-MATH & SCIENCE

Division: Natural and Health Sciences
SCI-252 (914) 606-6912

64 Credits

Curriculum Chair
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Reviewed By:_____
Date:_____
Approved By Chairperson/Dean:
_____

Course #	SEMESTER 1	Credits	✓
ENG 101	***Composition & Literature 1***	***3***	
	Mathematic-(see math notes)- _____	***4***	
	Behavioral- _____	***3***	
	Science & Lab- ***Science sequence 1*** ***(See Science notes e.g. Gen Bio 1)***	***4***	
	PE (fitness)- _____	***1***	

Course #	SEMESTER 2	Credits	✓
ENG 102	***Composition & Literature 2***	***3***	
	Mathematic-(see math notes)- _____	***4***	
	Social Science- _____	***3***	
	Science & Lab- ***Science sequence 2*** ***(See Science notes e.g. Gen Bio 2)***	***4***	
	PE (sport)- _____	***1***	

Course #	SEMESTER 3	Credits	✓
	Humanities- _____	3	
	Behavioral or Social Science _____	3	
	Complete a 2nd science sequence in semesters 3. and 4 (see science notes) OR Take 2 mathematics courses in semesters 3 and 4. (see math list)	4	
	Elective- _____	3	
	Elective- _____	3	

Course #	SEMESTER 4	Credits	✓
	Behavioral or Social Science _____	3	
	Humanities, Communications or English _____	3	
	If started, finish 2nd science sequence OR If mathematics taken in 3rd semester, take 2nd mathematics course.(see math list)	4	
	Elective- _____	4	
	Elective- _____	4	

Bold italic items are Core Requirements.

NOTES:

- ***Social Science*** courses include History (HIS), Political Science (POLSC), Economics (ECON) and Geography (GEOG).
- ***Behavioral Science*** courses include Sociology (SOC), Psychology (PSYCH), Anthropology (ANTHR) and Geography (GEOG).General Psychology is the prerequisite for all upper level psychology courses.
- ***Choose ONLY those courses whose descriptions are labeled as "humanities credits" from:*** ART, DANCE, ENG, MUSIC, FILM, THEAT, ARABC, CHINS, FREN, GER, ITAL, JAPNS, RUSSN, SPAN, PHIL.

Mathematics courses for this degree: MATH 135-College Algebra with Trigonometry, MATH 161-Pre-calculus, MATH 181-Calculus 1, MATH 191-Calculus 2, MATH 230-Calculus 3, MATH 240-Differential Equations, Linear Algebra (Start at the highest level for which high school has prepared you.). Examples of elective courses: MATH 140-Statistics.

Science (with lab) courses for this degree: BIOL 115-Gen. Biology 1 & BIOL 117-Gen Biology 2, BIOL 121-Anatomy and Physiology 1 & BIOL 123- Anatomy and Physiology 2, CHEM 107-Inorganic Chemistry 1 & CHEM 111- Inorganic Chemistry 2, CHEM 201-Organic Chemistry 1 & CHEM 205-Organic Chemistry 2, PHYSC 111-College Physics 1 & PHYSC 113-College Physics 2, PHYSC 121-Engineering Physics 1 & PHYSC 122- Engineering Physics 2. Both semesters of any sequence must be taken. One semester science courses are only accepted as electives.

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MATH/SCIENCE TRANSFER TO A FOUR YEAR COLLEGE OR UNIVERSITY DEGREE REQUIREMENTS

Note: ALL LAMS students should choose a transfer path

Course Title	Biology* Transfer Path	Chemistry Transfer Path	Mathematics Transfer Path	Physics Transfer Path
BIOL 115, 117 General Biology I & II	Required for 2nd Science Sequence			
CHEM 107, 111 Inorganic Chemistry I & II	Required for 1st Science Sequence	Required for 1st Science Sequence		
CHEM 201, 205 Organic Chemistry I & II	Recommended Electives	Required for 2nd Science Sequence		
MATH 181,191 Calculus I & II	Recommended Math Sequence	Required Math Sequence	Required for 1st Math Sequence	Required for 1st Math Sequence
MATH 230 Calculus III			Required for 2nd Math Sequence	Required for 2nd Math Sequence
MATH 240 Diff. Equations			Required for 2nd Math Sequence	Required for 2nd Math Sequence
MATH 215 Linear Algebra			Recommended Elective	Recommended Elective
PHYSC 111, 112 College Physics I & II		Either Sequence: Recommended Electives	Either Sequence: Recommended Sequence for Science Req.	
PHYSC 121,122, Engineering Physics I-II				Required Science Sequence

*Please note that inorganic chemistry should be the first science sequence for the biology transfer option so that organic chemistry can be taken in the second year.

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