

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

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

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

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

***Bold italic items are Core Requirements.***

### NOTES:

- ***Social Science*** courses include History, Political Science, Economics and Geography.
- ***Behavioral Science*** courses include Sociology, Psychology, Anthropology and Geography. General Psychology is the prerequisite for all upper level psychology courses.
- ***Humanities*** courses may be selected from Art, Dance, Drama, Music, Film, Foreign Language, Literature, Philosophy, and Theater.

**Mathematics courses for this degree:** College Algebra with Trigonometry, Precalculus, Calculus 1,2, 3, Differential Equations, Linear Algebra (Start at the highest level for which high school has prepared you.). Examples of elective courses: Statistics

**Science (with lab) courses for this degree:** General Biology 1 & 2, Anatomy and Physiology 1 & 2, Inorganic Chemistry 1 & 2, Organic Chemistry 1 & 2, College Physics 1 & 2, Engineering Physics 1 & 2. Both semesters of any sequence must be taken. One semester science courses are only accepted as electives.

## MATH/SCIENCE TRANSFER TO A FOUR YEAR COLLEGE

## OR UNIVERSITY DEGREE REQUIREMENTS

<b>Course Title</b>	<b>Biology Transfer</b>	<b>Chemistry Transfer</b>	<b>Mathematics Transfer</b>	<b>Physics Transfer</b>
BIOL 115, 117 General Biology I & II	Required	Recommended	Recommended	Recommended
BIOL 121, 123 Anatomy & Physiology I & II	Recommended	No	No	No
BIOL 215 General Microbiology	Recommended	No	No	No
CHEM 107, 111 Inorganic Chemistry I & II	Required	Required	Recommended	Recommended
CHEM 201, 205 Organic Chemistry I & II	Recommended	Required	No	No
MATH 181,191 Calculus I & II	Recommended	Required	Required	Required
MATH 230 Calculus III	No	Recommended	Required	Required
MATH 240 Diff. Equations	No	Recommended	Required	Required
MATH 215 Linear Algebra	No	No	Recommended	Recommended
MATH 140 Statistics	Recommended	Recommended	Recommended	No
COMSC 101 Computer Programming I	Recommended	Recommended	Recommended	Recommended
PHYS 111, 112 College Physics I & II	Either Sequence Recommended	Either Sequence Recommended	Either Sequence Required	No
PHYS 121,122, Engineering Physics I-II				Required