Liberal Arts and Sciences: Mathematics and Science AS (LAMS) – Biology Concentration (BIOL)

Catalog: 2016-2017								**Effective Date: 9/01/2016**
CR	**COURSE**	**COURSE TITLE**	**SUNY GEN ED**	**TR**	**SEMESTER**			
1-4	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE						
3	ENG 101 or ENG 100A & B	*Introduction to College Writing* or *Writing Reading Workshop A/B*	GEBC					
3	SUNY GEN ED Basic Communication ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110		GEBC					
4	MAT 127 (Prereq Required) or MAT 131 (Prereq Required)	*Introductory Statistics with Probability* or *Calculus I*	GEMA					
4	BIO 111 (Prereq Required)	*General Biology I*	GENS					
4	BIO 112 (Prereq Required)	*General Biology II*	GENS					
2	Any PED activity course, AVS 101, AVS 102, BIO 115, HED 103, HED 104, HED 108, NTR 101, NTR 111, or PED 172 (Note: PED 105, PED 106, PED 206, PED 210, PED 211, and PED 212 do not fulfill this requirement)	HEALTH AND WELLNESS						
3	SUNY GEN ED Western Civilization HIS 100, HIS 101 or HIS 102		GEWC					
3	SUNY GEN ED American History HIS 103 or HIS 104		GEAH					
3	SUNY GEN ED Social Science		GESS					
3	SUNY GEN ED The Arts, SUNY GEN ED Foreign Language or SUNY GEN ED Humanities		GETA GEFL GEHU					
4	BIO 113 (Prereq Required) or BIO 212 (Prereq Required)	*Microbiology or Genetics*						
4	BIO 205 (Prereq Required)	*General Ecology*						
4	CHM 111 (Prereq Required)	*General Chemistry I*	GENS					
4	CHM 112 (Prereq Required)	*General Chemistry II*						
4	CHM 203 (Prereq Required)	*Organic Chemistry I*						
4	CHM 204 (Prereq Required)	*Organic Chemistry II*						
7	Electives	BIO 107, BIO 114, BIO 213, BIO 289, CHM 202 or CHM 289 recommended						
64	**Minimum credits required for graduation**							

Note: Please review the back of this form for additional information.

Notes on Liberal Arts and Sciences: Mathematics and Science AS (LAMS) – Biology Concentration (BIOL)

❖ **COURSE PREREQUISITES:**			
MAT 127	MAT 096 and 21 earned credits or MAT 097 and 21 earned credits or MAT 108	**CHM 111**	CHM 103 (or Regents Chemistry 70) and MAT 108 (or Regents Math B 70 or Algebra 2/Trigonometry 70)
MAT 131	MAT 121 with C or better and MAT 125 with C or better	**CHM 112**	CHM 111 with grade C or better
BIO 111	BIO 103 (or Regents Biology 65) and CHM 103 (or Regents Chemistry 65)	**CHM 203**	CHM 112
BIO 112	BIO 103 (or Regents Biology 65) and CHM 103 (or Regents Chemistry 65)	**CHM 204**	CHM 202 with grade C or better
BIO 113	BIO 103 with C or better (or Regents Biology 80) and CHM 103 with C or better (or Regents Biology 80)		
BIO 205	BIO 111 or BIO 112		
BIO 212	BIO 111 or BIO 112 or BIO 113		

❖ **RECOMMENDED SEQUENCE:**			
FIRST YEAR			
First Semester		**Second Semester**	
1-4	HRD 100, HRD 100A or HRD 110	1	Health and Wellness
3	ENG 101 or ENG 100 A & B	3	ENG 102 – ENG 110
4	BIO 111	4	BIO 112
4	CHM 111	4	CHM 112
3	HIS 103 or HIS 104	3	SUNY GEN ED Social Science
SECOND YEAR			
Third Semester		**Fourth Semester**	
3	HIS 100, HIS 101 or HIS 102	1	Health and Wellness
4	MAT 127 or MAT 131	3	SUNY GEN ED The Arts, SUNY GEN ED Foreign Language or SUNY GEN ED Humanities
4	BIO 113 or BIO 212	4	BIO 205
4	CHM 203	4	CHM 204
3	Electives – See Note 1	4	Electives – See Note 1
NOTES:			
Recommended electives are BIO 107, BIO 114, BIO 213, BIO 289, CHM 202 or CHM 289.			

❖ **DEFINITION OF COURSE REQUIREMENTS:** See http://catalog.sunyacc.edu/academics/degreerequirements

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to visit the Center for Student Success in Warren Hall for any questions about course selection and degree program requirements. Please visit the Office of Financial Aid for any aid-related questions.

❖ **SUNY GEN ED KNOWLEDGE AREAS:** See http://catalog.sunyacc.edu/academics/generaleducation

- ❖ Mathematics (GEMA)
- ❖ Natural Sciences (GENS)
- ❖ Social Sciences (GESS)
- ❖ American History (GEAH)
- ❖ Western Civilization (GEWC)
- ❖ Other World Civilization (GEOC)
- ❖ Humanities (GEHU)
- ❖ The Arts (GETA)
- ❖ Foreign Languages (GEFL)
- ❖ Basic Communication (GEBC)