

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

Catalog: 2019-2020				Effective Date: 9/01/2016			
CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER		
1-2	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE					
3	ENG 101	<i>Introduction to College Writing</i>	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)	<i>Introductory Statistics with Probability or Calculus I</i>	GEMA				
4	BIO 111 (Prereq Required)	<i>General Biology I</i>	GENS				
4	BIO 112 (Prereq Required)	<i>General Biology II</i>	GENS				
2	Any PED activity course, AVS 101, AVS 102, BIO 115, HED 103, HED 104, HED 108, NTR 101, NTR 111, PED 105, PED 106, PED 206 or PED 211 (Note: PED 210 and PED 212 do not fulfill this requirement)	HEALTH AND WELLNESS					
3	SUNY GEN ED Western Civilization 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)	<i>Microbiology or Genetics</i>					
4	BIO 205 (Prereq Required)	<i>General Ecology</i>					
4	CHM 111 (Prereq Required)	<i>General Chemistry I</i>	GENS				
4	CHM 112 (Prereq Required)	<i>General Chemistry II</i>					
4	CHM 203 (Fall only - Prereq Required)	<i>Organic Chemistry I</i>					
4	CHM 204 (Spring only - Prereq Required)	<i>Organic Chemistry II</i>					
7	Electives	BIO 107, BIO 114, BIO 213 or CHM 202 recommended					
<b>64</b>	<b>Minimum credits required for graduation</b>						

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

❖ <b>COURSE PREREQUISITES:</b>			
<b>MAT 127</b>	MAT 096 within 4 years and 21 passed credits <u>or</u> MAT 097 within 4 years and 21 earned credits <u>or</u> MAT 108	<b>CHM 111</b>	CHM 103 (or Regents Chemistry 70) <u>and</u> MAT 108 (or Regents Math B 70 or Algebra 2/Trigonometry 70)
<b>MAT 131</b>	MAT 121 with C or better <u>and</u> MAT 125 with C or better	<b>CHM 112</b>	CHM 111 with grade C or better
<b>BIO 111</b>	BIO 103 (or Regents Biology 65) <u>and</u> CHM 103 (or Regents Chemistry 65)	<b>CHM 203</b>	CHM 112
<b>BIO 112</b>	BIO 103 (or Regents Biology 65) <u>and</u> CHM 103 (or Regents Chemistry 65)	<b>CHM 204</b>	CHM 202 with grade C or better
<b>BIO 113</b>	BIO 103 with C or better ( or Regents Biology 80) <u>and</u> CHM 103 with C or better (or Regents Biology 80)		
<b>BIO 205</b>	BIO 111 or BIO 112		
<b>BIO 212</b>	BIO 111 or BIO 112 or BIO 113		

❖ <b>RECOMMENDED SEQUENCE:</b>			
<b>FIRST YEAR</b>			
<b>First Semester</b>		<b>Second Semester</b>	
1-2	HRD 100, HRD 100A or HRD 110	1	Health and Wellness
3	ENG 101	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
<b>SECOND YEAR</b>			
<b>Third Semester</b>		<b>Fourth Semester</b>	
3	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
<b>NOTES:</b>			
1. Recommended electives are BIO 107, BIO 114, BIO 213 or CHM 202.			

❖ **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 meet with their assigned academic advisor 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>

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