

## Liberal Arts and Sciences: Mathematics and Science AS (LAMS) – Chemistry Concentration (CHEM)

Catalog: 2022-2023			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 131 (Prereq Required)	<i>Calculus I</i>	GEMA				
4	CHM 111 (Prereq Required)	General Chemistry I	GENS				
4	MAT 132 (Prereq Required)	<i>Calculus II</i>	GEMA				
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		GEWC				
3	SUNY GEN ED American History		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	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>					
4	EGR 105 (Prereq Required)	<i>Engineering Physics I</i>	GENS				
4	EGR 106 (Prereq Required)	<i>Engineering Physics II</i>	GENS				
4	EGR 204 (Spring only - Prereq Required)	<i>Engineering Physics III</i>	GENS				
7	Electives	CHM 202 and MAT 231 recommended					
<b>64</b>	<b>Minimum credits required for graduation</b>						

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

Notes on Liberal Arts and Sciences: Mathematics and Science AS (LAMS) – Chemistry Concentration (CHEM)

❖ <b>COURSE PREREQUISITES:</b>			
<b>CHM 111</b>	CHM 103 (or Regents Chemistry 70) and MAT 108 (or Regents Math B 70 or Algebra 2/Trigonometry 70)	<b>EGR 105</b>	MAT 131
<b>CHM 112</b>	CHM 111 with grade C or better	<b>EGR 106</b>	EGR 105
<b>CHM 203</b>	CHM 112	<b>EGR 204</b>	EGR 105 and MAT 132
<b>CHM 204</b>	CHM 202 with grade C or better	<b>MAT 131</b>	MAT 121 with C or better and MAT 125 with C or better within 4 years
		<b>MAT 132</b>	MAT 131 with C or better within 4 years

❖ <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		
3	ENG 101	3	ENG 102 – ENG 110
4	MAT 131	4	MAT 132
4	CHM 111	4	CHM 112
3	SUNY GEN ED American History	4	EGR 105
1	Health and Wellness	1	Health and Wellness
<b>SECOND YEAR</b>			
<b>Third Semester</b>		<b>Fourth Semester</b>	
3	SUNY GEN ED Western Civilization		
3	SUNY GEN ED Social Science	3	SUNY GEN ED The Arts, SUNY GEN ED Foreign Language or SUNY GEN ED Humanities
4	CHM 203	4	CHM 204
4	EGR 106	4	EGR 204
3	Electives – See Note 1	4	Electives – See Note 1
<b>NOTES:</b>			
1. Recommended electives are CHM 202 and MAT 231.			

❖ **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>

- |                               |                                   |
|-------------------------------|-----------------------------------|
| ❖ 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)      |