

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

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	<i>Introduction to College Writing or Writing Reading Workshop A/B</i>	GEBG				
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		GEBG				
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, 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		GENS				
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 (Prereq Required)	<i>Organic Chemistry I</i>					
4	CHM 204 (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 (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.

❖ <b>COURSE PREREQUISITES:</b>			
<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>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 <u>and</u> MAT 125 with C or better
		<b>MAT 132</b>	MAT 131 with C or better

❖ <b>RECOMMENDED SEQUENCE:</b>			
<b>FIRST YEAR</b>			
<b>First Semester</b>		<b>Second Semester</b>	
1-4	HRD 100, HRD 100A or HRD 110		
3	ENG 101 or ENG 100 A & B	3	ENG 102 – ENG 110
4	MAT 131	4	MAT 132
4	CHM 111	4	CHM 112
3	HIS 103 or HIS 104	4	EGR 105
1	Health and Wellness	1	Health and Wellness
<b>SECOND YEAR</b>			
<b>Third Semester</b>		<b>Fourth Semester</b>	
3	HIS 100, HIS 101 or HIS 102		
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 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>

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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)      |