

SUNY ADIRONDACK		SUNY POTSDAM	
<i>Associate in Science Liberal Arts and Sciences (0645) Mathematics - Science</i>		<i>Bachelor of Science Biochemistry Major</i>	
Course	Credit	Course	Credit
<i>Freshman Experience:</i> HRD 110	1	First Year Success Seminar	1
<i>Writing I:</i> ENG 101 <b>or</b> ENG 100A <b>and</b> 100B	3	COMP 101 Writing and Critical Thinking	3
<i>Writing II:</i> ENG 102,103,104,105,106,108,109 <b>or</b> 110	3	writing intensive gen ed requirement	3
<i>SUNY Gen Ed Math:</i> MAT 131 Calculus I	4	MATH 151 Calculus I - required for major	4
<i>Lab Science:</i> BIO 111 General Zoology	4	BIOL 152 General Biology II (major)	4
<i>Math or Science Course:</i> BIO 112 Botany	4	BIOL 151 General Biology I (major)	4
<i>Western Civilization:</i> HIS 100, 101 or 102	3	HIST 101 <b>or</b> 102 - gen ed requirement	3
<i>American History:</i> HIS 103 <b>or</b> 104	3	HIST 201 <b>or</b> 202 - gen ed requirement	3
<i>Social Science:</i> ANT 105; ECO 201,202; PSC 101,102,103; PSY 101,103; SOC 101 <b>or</b> 103	3	social analysis gen ed requirement	3
<i>Humanities:</i> ART 102,104,105,106; MUS 103, 105,110,131,132,133,134,135,136,139,140; THR 102,105,106 <b>or</b> 107	3	aesthetic experiential gen ed requirement	3
<i>Math or Science:</i> CHM 111 General Chemistry I CHM 112 General Chemistry II CHM 203 Organic Chemistry I CHM 204 Organic Chemistry II MAT 132 Calculus II	20	biochemistry major requirements: CHEM 105 General Chemistry I CHEM 106 General Chemistry II CHEM 341 Organic Chemistry I CHEM 342 Organic Chemistry II MATH 152 Calculus II	20
<i>Liberal Arts Electives</i>	6	electives	6
<i>Electives:</i> FRN or SPA 201 (see note below)	3	FREN <b>or</b> SPAN 103 - ML gen ed requirement	3
<i>Electives:</i> SUNY gen ed course	3	SUNY gen ed requirement	3
PED physical education activity	1	PE physical education activity	1
PED physical education activity	1	PE physical education activity	1
<b>TOTAL CREDITS</b>	<b>65</b>	<b>TOTAL CREDITS</b>	<b>65</b>

One half of the major must be completed at Potsdam (typically at the upper-division level). Grades of C/2.0 must be earned in each required major course.

**Modern Language requirement:** Students who have completed four years of the same foreign language in high school (one year beyond the Regents) have satisfied Potsdam's ML requirement. Students who do not have the 4th year should be placed into the appropriate level of foreign language and continue to the 201 level at ACC. Students who have completed the ML requirement in high school can use their electives for any courses under advisement (strongly encourage completion of any SUNY general education requirements not yet satisfied).

## SUNY Potsdam - Years 3 and 4

### Biochemistry (B.S. degree)

#### Semester V - Junior Year Credit

BIOL	311	Genetics	4
CHEM	311	Quantitative Analysis	4
CHEM	425	Biochemistry I	4
PHYS	103	University Physics I	4
PE		physical education activity	1
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#### Semester VI - Junior Year Credit

CHEM	426	Biochemistry II	3
		upper-division biochemistry major elective	3
PHYS	204	University Physics II	4
		gen ed mode of inquiry requirement	3
		upper-division elective	3
PE		physical education activity	1
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#### Semester VII - Senior Year Credit

BIOL	320	Microbiology	4
CHEM	308	Chemistry Topics	1
CHEM	451	Physical Chemistry I	4
		gen ed mode of inquiry requirement	3
		upper-division elective	3
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#### Semester VIII - Senior Year Credit

CHEM	309	Seminar in Chemistry (SI gen ed course)	1
		upper-division biochemistry major elective	4
		gen ed mode of inquiry requirement	3
		upper-division elective	3
		upper-division elective	3
		upper-division elective	3
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