



# LAKE SUPERIOR STATE UNIVERSITY



## B.S. Biochemistry (Effective Fall 2022)

Name \_\_\_\_\_

Expected Date of Graduation \_\_\_\_\_

ID \_\_\_\_\_

Chemistry Degree Requirements	Crd.	Sem./Yr	Grade
CHEM 115 General Chemistry I	5		
CHEM 116 General Chemistry II	5		
CHEM 199 First-Year Seminar	1		
CHEM 225 Organic Chemistry I	4		
CHEM 231 Quantitative Analysis	4		
CHEM 261 Inorganic Chemistry	4		
CHEM 299 Sophomore Seminar	1		
CHEM 326 Organic Chemistry II	4		
CHEM 332 Instrumental Analysis	4		
CHEM 351 Intro. Biochemistry	4		
CHEM 353 Med. Chem & Tox.	3		
CHEM 361 Physical Chemistry I	4		
CHEM 363 Physical Chem. Lab	1		
CHEM 395 Junior Seminar	1		
CHEM 452 Adv. Biochem. Mol. Tech	3		
CHEM 49X Senior Research	2		
CHEM 499 Senior Seminar	1		
<b>Chemistry Total</b>	<b>51</b>		

Support courses	Crd.	Sem./Yr	Grade
BIOL 131 Gen. Biology: Cells	4		
BIOL 132 Gen. Biology: Organisms	4		
BIOL 220 Genetics	4		
BIOL 4XX _____	3		
MATH 151 Calculus I	4		
MATH 152 Calculus II	4		
MATH 207 Principles of Stats.	3		
PHYS 2X1 Physics I	4		
PHYS 2X2 Physics II	4		
<b>Support Total</b>	<b>34</b>		

General Education	Crd.	Sem./Yr	Grade
ENGL 110 First-Year Comp	3		
ENGL 111 First-Year Comp II	3		
COMM101 Speech	3		
Social Science* _____	3		
Social Science* _____	3		
Humanities * _____	3		
Humanities * _____	3		
Cultural Diversity* _____	3		
<b>Gen. Ed. Total</b>	<b>24</b>		

\*Consult list for approved courses

Free Electives	Crd.	Sem./Yr	Grade
<b>Electives Total</b>	<b>0</b>		
<b>Minimum Electives Required</b>	<b>15</b>		

**Total directed credits 109**

**Total credits with electives 109**

**Total credits with electives ACS 111**

\*\*Minimum 124 total credits\*\*

For American Chemical Society Certification			
	Crd.	Sem./Yr	Grade
CHEM 495 Senior Lab. Research	2		



Advisor Approval \_\_\_\_\_

Chair Approval \_\_\_\_\_

For Office Use Only: \_\_\_\_\_ 2.0 GPA Overall    Dean Approval: \_\_\_\_\_  
 \_\_\_\_\_ Minimum 124 total credits    \_\_\_\_\_ 2.0 GPA in major    Date: \_\_\_\_\_