BLACK HILLS STATE UNIVERSITY

Major: **Chemistry**

2026-2027 - Status Sheet

Minor: **Biology**

Degree: **Bachelor of Science**

120 hours are required to graduate _____

36 hours of upper level are required _____

Exit Exam: _____

BBS.CHM

Prepared by:

Phone #:

Date:

NAME:

ID or SSN:

Gen Ed Requirements					Has 100 200	Has 300 400	Needs 100 200	Needs 300 400
3	ENGL	101	Composition I					
3	ENGL	201	Composition II					
3	CMST	101	215 222					
3	MATH	(see major)						
3-5	Natural Science & Lab (see major)							
3-5	Natural Science & Lab (see major)							

SOCIAL SCIENCE: take 2 courses from two different subject areas, 1 must be an * course - Civics Requirement. **ARTS & HUMANITIES:** take 2 courses from two different subject areas, (ART/H) are same subject) or a Foreign Language sequence.

Social Science - 2 courses required

ABS 203, ANTH 210, 220, 230, **CIV 100***, CJUS 201, CMST 201 ECON 201, 202, GEOG 101, 200, 210, 212, 219 , GLST 201, HDFS 141, 210, **HIST 151*, 152***, 256, 257, INED 211, NATV 110 , **POLS 100***, 102, 141, 165, **210***, 250, 253, PSYC 101 , REL 237 , SOC 100, 150, 151, 240, 250, 285, SUST 201 , UHON 111, 210, WMST 247

Arts & Humanities - 2 courses required

ARCH 241, ART 111, 112, 121, 123, ARTH 100, 121, 211, 212, 231, 251 , ENGL 115, 210, 211, 212, 214, 221, 222, 230, 240, 241, 242, 248, 249, 250, 256, 258, 268, FREN 101, 102, 201, 202, GER 101, 102, 201, 202 , HIST 111, 112, 121, 122 HUM 100, 101, 200, LAKL 101, 102, 201, 202 , MCOM 151, 160, MFL 101, 102 , MUS 100, 117, 130, 131, 200, 201, 203, 240, PHIL 100, 200, 215, 220, 233, 240, 270, 287, REL 213, 224, 225, 238, 250, SPAN 101, 102, 201, 202, THEA 100, 131, 200, 201, 231, 270

Addl. hours in major/minor to meet 50% rule	
Addl. hours to meet 60 from 4-yr Inst.	
Addl. hours to total 36 upper level	
Addl. hours to total 120	

Biology Minor - 24 hours

4	BIOL	151/L	General Biology I/Lab
4	BIOL	153/L	General Biology II/Lab
4	BIOL	343/L	Cell & Molecular Bio/Lab
		or	
	BIOL	371/L	Genetics/Lab
12			BIOL 300/400 level Electives (12 hrs.):
	BIOL		
	BIOL		
	BIOL		

TOTALS:

Major Requirements				Has 100 200	Has 300 400	Needs 100 200	Needs 300 400
	Required Core - 31-32 semester hours						
4	CHEM	112/L	General Chemistry I/Lab				
4	CHEM	114/L	General Chemistry II/Lab				
4	CHEM	326/L	Organic Chemistry I/Lab				
4	CHEM	328/L	Organic Chemistry II/Lab				
4	CHEM	332/L	Analytical Chem/Lab				
4	CHEM	464/L	Biochemistry I/Lab				
1	CHEM	490	Senior Seminar				
4	MATH	123	Calculus I				
	CHEM	342	Physical Chemistry I				
3-4	**OR**						
	CHEM	452/L	Inorganic Chemistry/Lab				
	Take 1 emphasis:						
	Chemistry Emphasis - 26-30 semester hours						
	Take one of the following, whichever was not taken within the core:						
	CHEM	342	Physical Chemistry I				
3-4	**OR**						
	CHEM	452/L	Inorganic Chemistry/Lab				
4	MATH	125	Calculus II				
5	PHYS	211/L	University Physics I/Lab				
5	PHYS	213/L	University Physics II/Lab				
	Take 3 courses and corresponding labs if applicable 9-12 semester hours:						
	BIOL	343/L	Cell & Molecular Biology/Lab				
	CHEM	344	Physical Chemistry II				
	CHEM	355/L	Field Environmental Chemistry/Lab				
	CHEM	434/L	Instrumental Analysis/Lab				
	CHEM	492/498	Topics/Research				
	MATH	225	Calculus III				
	MATH	281	Introduction to Statistics				
	MATH	321	Differential Equations				
	PHYS	331	Modern Physics				
	Biochemistry Emphasis - 26-30 semester hours						
4	BIOL	151/L	General Biology I/Lab	See minor			
4	BIOL	153/L	General Biology II/Lab	See minor			
4	CHEM	465/L	Biochemistry II/Lab				
	Take one of the following groups:						
	PHYS	111/L	Introduction to Physics I/Lab				
	PHYS	113/L	Introduction to Physics II/Lab				
8-10		**or**					
	PHYS	211/L	University Physics I/Lab				
	PHYS	213/L	University Physics II/Lab				
	Required Electives - Take 2 courses and corresponding lab if applicable: 6-8 semester hours						
	BIOL	317/L	Electron Microscopy/Lab				
	BIOL	325/L	Physiology/Lab				
	BIOL	331/L	Microbiology/Lab				
	BIOL	343/L	Cell & Molecular Biology/Lab				
	BIOL	371/L	Genetics/Lab				
	BIOL	381/L	Vertebrate Anatomy/Lab				
	CHEM	344	Physical Chemistry II				
	CHEM	434/L	Instrumental Analysis/Lab				
	CHEM	492/498	Topics/Research				
	CHEM	342	Physical Chemistry I*				
	CHEM	452/L	Inorganic Chemistry/Lab*				

* may not duplicate course used in core requirements

83-87 TOTALS: