



**BLACK HILLS**  
STATE UNIVERSITY

Major: **Chemistry**  
2024-2025 - 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: \_\_\_\_\_

| Gen Ed Requirements  | Has |     | Needs |     | Major Requirements   | Has |     | Needs |     |
|--|-----|-----|-------|-----|--|-----|-----|-------|-----|
|  | 100 | 300 | 100   | 300 |  | 100 | 300 | 100   | 300 |
| 3 ENGL 101 Composition I   |     |     |       |     | <p><b>Required Core - 33 semester hours</b></p> <p>4 CHEM 112/L General Chemistry I/Lab</p> <p>4 CHEM 114/L General Chemistry II/Lab</p> <p>4 CHEM 326/L Organic Chemistry I/Lab</p> <p>4 CHEM 328/L Organic Chemistry II/Lab</p> <p>4 CHEM 332/L Analytical Chem/Lab</p> <p>4 CHEM 342/L Physical Chemistry I/Lab</p> <p>4 CHEM 464/L Biochemistry I/Lab</p> <p>1 CHEM 490 Senior Seminar</p> <p>4 MATH 123 Calculus I</p> <p><b>Take 1 emphasis:</b></p> <p><b>Chemistry Emphasis - 27-30 semester hours</b></p> <p>4 CHEM 452/L Inorganic Chemistry/Lab</p> <p>4 MATH 125 Calculus II</p> <p>5 PHYS 211/L University Physics I/Lab</p> <p>5 PHYS 213/L University Physics II/Lab</p> <p><b>Required Electives - Take 3 courses and corresponding lab if applicable: 9-12 semester hours</b></p> <p>BIOL 343/L Cell &amp; Molecular Biology/Lab</p> <p>CHEM 344/L Physical Chemistry II/Lab</p> <p>CHEM 355/L Field Environmental Chemistry/Lab</p> <p>CHEM 434/L Instrumental Analysis/Lab</p> <p>CHEM 492 Topics</p> <p>CHEM 498 Research</p> <p>GEOL 360 Environmental Geochemistry</p> <p>MATH 225 Calculus III</p> <p>MATH 281 Introduction to Statistics</p> <p>MATH 321 Differential Equations</p> <p>PHYS 331 Modern Physics</p> <p><b>Biochemistry Emphasis - 26-30 semester hours</b></p> <p>4 BIOL 151/L General Biology I/Lab</p> <p>4 BIOL 153/L General Biology II/Lab</p> <p>4 CHEM 465/L Biochemistry II/Lab</p> <p><b>Take one of the following groups:</b></p> <p>PHYS 111/L Introduction to Physics I/Lab</p> <p>PHYS 113/L Introduction to Physics II/Lab</p> <p><b>or</b></p> <p>PHYS 211/L University Physics I/Lab</p> <p>PHYS 213/L University Physics II/Lab</p> <p><b>Required Electives - Take 2 courses and corresponding lab if applicable: 6-8 semester hours</b></p> <p>BIOL 317/L Electron Microscopy/Lab</p> <p>BIOL 325/L Physiology/Lab</p> <p>BIOL 331/L Microbiology/Lab</p> <p>BIOL 343/L Cell &amp; Molecular Biology/Lab</p> <p>BIOL 371/L Genetics/Lab</p> <p>BIOL 381/L Vertebrate Anatomy/Lab</p> <p>CHEM 344/L Physical Chemistry II/Lab</p> <p>CHEM 434/L Instrumental Analysis/Lab</p> <p>CHEM 452/L Inorganic Chemistry/Lab</p> <p>CHEM 492 Topics</p> <p>CHEM 498 Research</p> |     |     |       |     |
| 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)  |     |     |       |     |  |     |     |       |     |
| <b>SOCIAL SCIENCE:</b> take 2 courses from two different subject areas.  |     |     |       |     |  |     |     |       |     |
| <b>ARTS &amp; HUMANITIES:</b> take 2 courses from two different subject areas (ART/H) are the same subject), or a Foreign Language Sequence. |     |     |       |     |  |     |     |       |     |
| <b>Social Science - 2 courses required</b>   |     |     |       |     |  |     |     |       |     |
| ABS 203 ANTH 210, 220, 230 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 INFO 102  |     |     |       |     |  |     |     |       |     |
| NATV 110 POLS 100, 102, 141, 165, 210, 250,  |     |     |       |     |  |     |     |       |     |
| 253 PSYC 101 REL 237 SOC 100, 150, 151,  |     |     |       |     |  |     |     |       |     |
| 240, 250, 285 CMST 201 SUST 201 UHON   |     |     |       |     |  |     |     |       |     |
| 111, 210 WMST 101, 247   |     |     |       |     |  |     |     |       |     |
| <b>Arts &amp; Humanities - 2 courses required</b>  |     |     |       |     |  |     |     |       |     |
| ARAB 101, 102 ARCH 241 ART 111, 112,   |     |     |       |     |  |     |     |       |     |
| 121, 123 ARTH 100, 120, 121, 211, 212, 231,  |     |     |       |     |  |     |     |       |     |
| 251 CHIN 101, 102 ENGL 115, 125, 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 GFA 101   |     |     |       |     |  |     |     |       |     |
| GREE 101, 102 HIST 111, 112, 121, 122  |     |     |       |     |  |     |     |       |     |
| HUM 100 200 LAKL 101, 102, 201, 202 LATI   |     |     |       |     |  |     |     |       |     |
| 101, 102 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 RUSS 101, 102  |     |     |       |     |  |     |     |       |     |
| SPAN 101, 102, 201, 202 THEA 100, 131, 200,  |     |     |       |     |  |     |     |       |     |
| 201, 231, 270  |     |     |       |     |  |     |     |       |     |
| <b>Addl. hours in major/minor to meet 50% rule</b>   |     |     |       |     |  |     |     |       |     |
| <b>Addl. hours to meet 60 from 4-yr Inst.</b>  |     |     |       |     |  |     |     |       |     |
| <b>Addl. hours to total 36 upper level</b>   |     |     |       |     |  |     |     |       |     |
| <b>Addl. hours to total 120</b>  |     |     |       |     |  |     |     |       |     |
| <b>Biology Minor - 24 hours</b>  |     |     |       |     |  |     |     |       |     |
| 4 BIOL 151/L General Biology I/Lab   |     |     |       |     |  |     |     |       |     |
| 4 BIOL 153/L General Biology II/Lab  |     |     |       |     |  |     |     |       |     |
| 4 BIOL 343/L Cell & Molecular Bio/Lab  |     |     |       |     |  |     |     |       |     |
| <b>or</b>  |     |     |       |     |  |     |     |       |     |
| BIOL 371/L Genetics/Lab  |     |     |       |     |  |     |     |       |     |
| 12 BIOL 300/400 level Electives (12 hrs):  |     |     |       |     |  |     |     |       |     |
| BIOL   |     |     |       |     |  |     |     |       |     |
| BIOL   |     |     |       |     |  |     |     |       |     |
| BIOL   |     |     |       |     |  |     |     |       |     |
| <b>TOTALS:</b>   |     |     |       |     | <b>TOTALS:</b>   |     |     |       |     |

ID or SSN: \_\_\_\_\_