



BLACK HILLS
STATE UNIVERSITY

Major: **Mathematics - Teaching**
2024-2025 - Status Sheet

Praxis/PLT: _____

NAME: _____

Minor:
Degree: **Bachelor of Science Education**
120 hours are required to graduate _____
36 hours of upper level are required _____

BBSed.MTH
Prepared by:
Phone #:
Date:

| Gen Ed Requirements | Has | | Needs | | Major Requirements | Has | | Needs | | |
|---------------------------------------|-----|-----|-------|-----|--|--|-----|-------|-----|--|
| | 100 | 300 | 100 | 300 | | 100 | 300 | 100 | 300 | |
| 3 ENGL 101 Comp I (min grade C) | | | | | Must earn grade of "C" or better in all required coursework. Take *Required Core & *Emphasis, one science area, and all Teaching courses. | | | | | |
| 3 ENGL 201 Comp II (min grade C) | | | | | | *Required Core 21 | | | | |
| 3 CMST 101 215 222 (min grade C) | | | | | | 4 MATH 123 Calculus I (Gen ed) | | | | |
| 3 MATH: see major | | | | | | 4 MATH 125 Calculus II | | | | |
| 3-5 Natural Science & Lab (see major) | | | | | | 4 MATH 225 Calculus III | | | | |
| 3-5 Natural Science & Lab (see major) | | | | | | 3 MATH 281 Introduction to Statistics | | | | |
| | | | | | | 3 MATH 361 Modern Geometry | | | | |
| | | | | | | 3 SEED 418 7-12 Math Methods | | | | |
| | | | | | | *Mathematics & Science Ed Emphasis 15 | | | | |
| | | | | | | 3 CSC 150 Computer Science I | | | | |
| | | | | | 3 MATH 351 Foundations of Mathematics | | | | | |
| | | | | | MATH 413 Abstract Algebra I | | | | | |
| | | | | | 3 or | | | | | |
| | | | | | MATH 423 Advanced Calculus I | | | | | |
| | | | | | 3 SEED 413 7-12 Science Methods | | | | | |
| | | | | | 3 Take one course from the following: | | | | | |
| | | | | | MATH 315 Linear Algebra | | | | | |
| | | | | | MATH 316 Discrete Mathematics | | | | | |
| | | | | | MATH 321 Differential Equations | | | | | |
| | | | | | MATH 411 Theory of Numbers | | | | | |
| | | | | | MATH 413 Abstract Algebra I | | | | | |
| | | | | | MATH 416 Combinatorics | | | | | |
| | | | | | MATH 423 Advanced Calculus I | | | | | |
| | | | | | MATH 481 Probability and Statistics | | | | | |
| | | | | | Choose one Science area from below | | | | | |
| | | | | | Biology - 24 semester hours | | | | | |
| | | | | | 4 BIOL 151/L General Biology I & Lab | | | | | |
| | | | | | 4 BIOL 153/L General Biology II Lab | | | | | |
| | | | | | 4 BIOL 311/L Principles of Ecology & Lab | | | | | |
| | | | | | 4 BIOL 325/L Physiology & Lab | | | | | |
| | | | | | 4 BIOL 331/L Microbiology & Lab | | | | | |
| | | | | | 4 BIOL 371/L Genetics & Lab | | | | | |
| | | | | | Chemistry - 20 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 Chemistry & Lab | | | | | |
| | | | | | Physics - 19 semester hours | | | | | |
| | | | | | 3 PHYS 185/L Solar System Astronomy & Lab | | | | | |
| | | | | | 5 PHYS 211/L University Physics I & Lab | | | | | |
| | | | | | 5 PHYS 213/L University Physics II & Lab | | | | | |
| | | | | | 3 PHYS 331 Intro to Modern Physics | | | | | |
| | | | | | PHYS 451 Classical Mechanics | | | | | |
| | | | | | 3 OR | | | | | |
| | | | | | PHYS 471 Quantum Mechanics | | | | | |
| | | | | | Earth Science - 20 semester hours | | | | | |
| | | | | | 4 GEOL 201/L Physical Geology & Lab | | | | | |
| | | | | | 4 GEOL 203/L Historical Geology & Lab | | | | | |
| | | | | | 3 GEOL 321 Conservation of Nat. Res. | | | | | |
| | | | | | 3 PHYS 185/L Solar System Astronomy & Lab | | | | | |
| | | | | | 6 take two courses from the following four courses: | | | | | |
| | | | | | GEOL 340 Mineralogy/Petrology | | | | | |
| | | | | | GEOL 350 Environmental Geology | | | | | |
| | | | | | GEOL 370 Hydrogeology | | | | | |
| | | | | | SCI 388 GPS | | | | | |
| TOTALS: | | | | | TOTALS: | | | | | |

ID or SSN: _____