Black Hills State University

Major: Math & Science - Teaching

2019-2020 - Status Sheet

Minor:

Degree: **Bachelor of Science Education**

120 hours are required to graduate _____

36 hours of upper level are required _____

BBSED.MSC

Prepared by:

Phone #:

Date:

Praxis/PLT: _____

NAME:

ID or SSN:

Gen Ed Requirements					Has 100 200	Has 300 400	Needs 100 200	Needs 300 400
3	ENGL	101	Comp I (min grade C)					
3	ENGL	201	Comp II (min grade C)					
3	SPCM	101	215 222 (min grade C)					
3	MATH: 103, 104, 114, 115, 120, 121, 123, 281							
3-5	Natural Science & Lab (see major)							
3-5	Natural Science & Lab (see major)							

SOCIAL SCIENCE: take 2 courses from two different subject areas.
ARTS & HUMANITIES: take 2 courses from two different subject areas (ART/H) are the same subject), or a Foreign Language Sequence.

Social Science - 2 courses required

PSYC 101 required for major, and will also satisfy a SS class. Take 1 additional course from the following:

ABS 203 ANTH 210, 220, 230 CJUS 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 REL 237 SOC 100, 150, 151, 240, 250, 285 SPCM 201 SUST 201 UHON 111, 210 WMST 101, 247

Arts & Humanities - 2 courses required

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

				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				
				Physics - 19 semester hours				
3	PHYS	185/L	Intro to 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	Intro Astronomy & Lab					
6	take two courses from the following five courses:							
	GEOL	340	Mineralogy/Petrology					
	GEOL	350	Environmental Geology					
	GEOL	360	Environmental Geochemistry					
	GEOL	370	Hydrogeology					
	SCI	388	GPS					
TOTALS:								

Major Requirements				Has 100 200	Has 300 400	Needs 100 200	Needs 300 400
Must earn grade of "C" or better in all required coursework.							
Take Required Core, Methods, and one science area of study.							
			Required Core				
3	CSC	150	Computer Science I				
4	MATH	123	Calculus I				
4	MATH	125	Calculus II				
4	MATH	225	Calculus III				
3	MATH	281	Introduction to Statistics				
3	MATH	351	Foundations of Mathematics				
3	MATH	361	Modern Geometry				
3	MATH	413	Abstract Algebra I ***OR***				
OR	MATH	423	Advanced Calculus I				
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				
			Methods - 6 semester hours				
3	SEED	413	7-12 Science Methods				
3	SEED	418	7-12 Math Methods				
			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				
			Pre-Professional Teaching Core - 21 semester hours				
1	EDFN	295	Practicum: Pre-Admission Teaching				
2	EDFN	338	Foundations of American Education				
3	EDFN	475	Human Relations				
3	EPSY	302	Educational Psychology				
3	EPSY	428	Child & Adolescent Development				
3	INED	411	South Dakota Indian Studies				
3	PSYC	101	General Psychology (gen ed)				
3	SPED	100	Intro to Persons with Exceptionalities				
			Professional Secondary Ed Teaching Core - 23 semester hours				
3	EDFN	365	Computer Based Technology & Learning				
1	EDFN	440	Classroom Management				
2	MLED	480	Middle Level Methods				
3	SEED	408	Plan, Manage & Assess the 7-12 Diverse Classroom				
3	SEED	450	7-12 Reading and Content Literacy				
1	SEED	495	Practicum: Pre-Student Teaching				
1	EDFN	375	Methods of Technology Integration				
9	SEED	488	7-12 Student Teaching				
TOTALS:							