BLACK HILLS STATE UNIVERSITY

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

Exit Exam: _____

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	CMST	101	215 222 (min grade C)					
3	MATH: see major							
3-5	Natural Science & Lab							
3-5	Natural Science & Lab							

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 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 REL 237 SOC 100, 150, 151, 240, 250, 285 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	

Professional Secondary Ed Teach-26 semester hrs

3	EDFN	365	Computer Based Technology & Learning
1	EDFN	375	Methods of Technology Integration
3	EDFN	475	Human Relations
2	MLED	480	Middle Level Methods
3	SEED	408	Diverse 5-12 Classroom
1	SEED	440	Classroom Management
3	SEED	450	7-12 Reading and Content Literacy
1	SEED	495	Practicum: Pre-Student Teaching
9	SEED	488	7-12 Student Teaching

Math & Computer Science Ed is a collaboration between BHSU & SDSM&T

***SDSM&T course**

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.							
Required Core - 21 semester hours							
4	MATH	123	Calculus I (gen ed)				
4	MATH	125	Calculus II				
4	MATH	225	Calculus III				
3	MATH	281	Introduction to Statistics				
3	MATH	361	Modern Geometry				
3	SEED	418	7-12 Math Methods				
Mathematics & Computer Science Ed Emphasis - 27-29 semester hours							
	MATH	351	Foundations of Mathematics				
3			**or**				
	CSC	251	Finite Structures*				
	MATH	413	Abstract Algebra I				
3			**or**				
	MATH	423	Advanced Calculus I				
			Computer Programing				
	CSC	150	Computer Science I				
3			**or**				
	CSC	170	Programing for Engineer & Scientists*				
	CSC	170L	Programing for Engineer & Scientists Lab*				
	CSC	115	Test-Driven Software Develop*				
1 or 3			**or**				
	CSC	210	C++ Intro for Programmers*				
4	CSC	215	Programming Techniques*				
4	CSC	315	Data Structures & Algorithms*				
			Engineering				
	CENG	244	Introduction to Digital Systems*				
	CENG	244L	Introduction to Digital Systems Lab*				
3			**or**				
	CSC	340	Software Engineering & Design*				
6			**Restricted Electives**				
			choose two courses from 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				
	CSC	415	Introduction to Robotics*				
			Robotics				
Students seeking the Science, Technology, Engineering, and Mathematics Career Cluster Endorsement for teaching Robotics should take CSC 415 Intro to Robotics and an additional CTE Methods Course							
Pre-Professional Teaching - 18 semester hours							
1	EDFN	295	Practicum: Pre-Admission Teaching				
2	EDFN	338	Foundations of American Education				
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				

TOTALS:								
92-94	TOTALS:							