



Major: **Physical Science**
2020-2021 - Status Sheet

Minor:
Degree: **Bachelor of Science**

120 hours are required to graduate _____
36 hours of upper level are required _____

BBS.PHS

* Collaborative program with DSU

Prepared by:

Phone #:

Date:

Exit Exam: _____

NAME:

Gen Ed Requirements				Has		Needs	
				100	300	100	300
3	ENGL	101	Composition I				
3	ENGL	201	Composition II				
3	SPCM	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.
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				Has	Needs
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	PSYC 101	REL 237	SOC 100, 150, 151, 240, 250, 285	SPCM 201	SUST 201
UHON 111, 210	WMST 101, 247				

Arts & Humanities - 2 courses required				Has	Needs
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
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				Has	Needs
Addl. hours to meet 60 from 4-yr Inst.					
Addl. hours to total 36 upper level					
Addl. hours to total 120					

Select one course from the following list:

CHEM 490	Seminar (1)		
ENGL 379	Technical Communication (3)		
GEOL 490	Seminar (1)		

Select 12 credit hours from the following list:

CHEM 492	Topics (3-6)		
CHEM 498	Research * (3-6)		
GEOL 392	Topics (3-6)		
PHSI 492	Topics * (3-6)		
PHSI 498	Research * (3-6)		
PHYS 492	Topics (3-6)		
PHYS 498	Research * (3-6)		
SCI 492	Topics (3-6)		
SCI 494	Internship (3-6)		

TOTALS:				Has	Needs

Major Requirements				Has		Needs	
				100	300	100	300
Required Core: 26 semester hours							
4	CHEM	112/L	General Chemistry I/Lab				
4	CHEM	114/L	General Chemistry II/Lab				
4	MATH	123	Calculus I				
4	MATH	125	Calculus II				
5	PHYS	211/L	University Physics I/Lab				
5	PHYS	213/L	University Physics II/Lab				
Take 1 MATH course from the following: 3-4 hours							
	MATH	225	Calculus III				
	MATH	281	Introduction to Statistics				
	MATH	315	Linear Algebra				
	MATH	316	Discrete Mathematics				
	MATH	318	Advanced Discrete Mathematics *				
	MATH	321	Differential Equations				
	MATH	373	Introduction to Numerical Analysis				
	MATH	413	Abstract Algebra				
	MATH	422	Complex Variables				
	MATH	487	Design of Experiments				
Select 6 courses (& lab) from the following: 18-24 hrs							
	CHEM	326/L	Organic Chemistry I/Lab				
	CHEM	328/L	Organic Chemistry II/Lab				
	CHEM	332/L	Analytical Chem/Lab				
	CHEM	342	Physical Chemistry I				
	CHEM	344	Physical Chemistry II				
	CHEM	434/L	Instrumental Analysis/Lab				
	CHEM	452	Inorganic Chemistry				
	CHEM	464	Biochemistry I				
	CSC	150	Computer Science I *				
	CSC	250	Computer Science II *				
	CSC	260	Object Oriented Design *				
	CSC	300	Data Structures *				
	CSC	316	Discrete Mathematics				
	CSC	318	Advanced Discrete Mathematics *				
	CSC	410	Parallel Computing *				
	CSC	433	Computer Graphics *				
	CSC	482	Algorithm Analysis *				
	GEOL	201/L	Physical Geology/Lab				
	GEOL	310	Volcanology				
	GEOL	340	Mineralogy and Petrology				
	GEOL	360	Environmental Geochemistry				
	GEOL	370	Hydrogeology				
	PHYS	331	Introduction to Modern Physics				
	PHYS	341	Thermodynamics				
	PHYS	343	Statistical Physics *				
	PHYS	361	Optics *				
	PHYS	421	Electromagnetism				
	PHYS	424	Digital Electronics *				
	PHYS	433	Nuclear & Elementary Particle Physics *				
	PHYS	451	Classical Mechanics				
	PHYS	471	Quantum Mechanics				
	PHYS	481	Mathematical Physics *				
	SCI	388	GIS/GPS				
TOTALS:							