



Major: **Physical Science**
2014-2015 - Status Sheet

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

Exit Exam: _____

B.BS.PHSC

CAAP Proficiency: _____

* Collaborative program with DSU

Prepared by: _____

Phone #: _____

Date: _____

NAME: _____

				Has		Needs						Has		Needs	
Gen Ed Requirements				100	300	100	300	Major Requirements				100	300	100	300
				200	400	200	400					200	400	200	400
3	ENGL	101	Composition I					+ 50% of major/minor must be from BHSU							
3	ENGL	201	Composition II					Required Core: 26 semester hours							
3	SPCM	101	215 222					4	CHEM	112/L	General Chemistry I/Lab				
3	MATH:	102, 103, 104, 115, 120, 121, 123, 281	See major					4	CHEM	114/L	General Chemistry II/Lab				
3-5	Natural Science & Lab			See major				4	MATH	123	Calculus I				
3-5	Natural Science & Lab			See major				4	MATH	125	Calculus II				
2	WEL	100/L	Wellness & Lab					5	PHYS	211/L	University Physics I/Lab				
Social Science: take 3 courses from at least two different subject areas. Arts & Humanities: take 4 courses from at least two different subject areas (ART/H are the same subject). Globalization: take 1 course with a # when selecting Social Science or Arts & Humanities courses.								5	PHYS	213/L	University Physics II/Lab				
Social Science - 3 courses required								Take 1 MATH course from the following: 3-4 hours							
ANTH: 210#, 220, 230 CJUS 201 ECON 101, 201								MATH	225	Calculus III					
ECON 202 GEOG 101, 200, 210#, 212, 219								MATH	281	Introduction to Statistics					
GLST 201 HDFS 141, 210 HIST 151, 152, 256								MATH	315	Linear Algebra					
HIST 257# INED 211 INFO 110 NATV 110								MATH	316	Discrete Mathematics					
POLS 100, 102, 141#, 250#, 253 PSYC 101								MATH	318	Advanced Discrete Mathematics *					
REL 237 SOC 100, 150, 240, 250, 285 SUST 201								MATH	321	Differential Equations					
UHON 111, 210 WMST 101								MATH	373	Introduction to Numerical Analysis					
Arts & Humanities - 4 courses required								MATH	413	Abstract Algebra					
ARAB 101, 102 ART 111, 112, 121, 123 ARTH 100								MATH	422	Complex Variables					
ARTH 121, 211#, 212#, 231, 251# CHIN 101, 102								MATH	487	Design of Experiments					
ENGL 115, 210, 211#, 212#, 214, 221, 222, 230, 240								Select 6 courses (& lab) from the following: 18-24 hrs							
ENGL 241, 242, 248, 249, 250, 256, 258, 268								CHEM	326/L	Organic Chemistry I/Lab					
FREN 101, 102, 201, 202 GER 101, 102 201, 202								CHEM	328/L	Organic Chemistry II/Lab					
GFA 101 GREE 101, 102 HIST 111, 112, 121#, 122#								CHEM	332/L	Analytical Chemistry/Lab					
HUM 100#, 200 LAKL 101, 102 LATI 101, 102								CHEM	342	Physical Chemistry I					
MCOM 151#, 160 MFL 101, 102 MUS 100, 130, 131								CHEM	344	Physical Chemistry II					
MUS 200, 201, 240 PHIL 100, 200, 215, 220, 233								CHEM	434/L	Instrumental Analysis/Lab					
PHIL 270, 287 REL 213, 224, 225, 238, 250, 270								CHEM	452	Inorganic Chemistry					
RUSS 101, 102 SPAN 101, 102, 201, 202								CHEM	464	Biochemistry I					
THEA 100, 131, 200, 201, 231, 270								CSC	150	Computer Science I *					
Additional hours to total 36 upper level								CSC	250	Computer Science II *					
Additional hours to total 120								CSC	260	Object Oriented Design *					
Select one course from the following list:								CSC	300	Data Structures *					
	CHEM	490	Seminar (1)					CSC	316	Discrete Mathematics					
	ENGL	379	Technical Communication (3)					CSC	318	Advanced Discrete Mathematics *					
	GEOL	490	Seminar (1)					CSC	410	Parallel Computing *					
Select 12 credit hours from the following list:								CSC	433	Computer Graphics *					
	CHEM	492	Topics (3-6)					CSC	482	Algorithm Analysis *					
	CHEM	498	Research * (3-6)					GEOL	201/L	Physical Geology/Lab					
	GEOL	392	Topics (3-6)					GEOL	310	Volcanology					
	PHSI	492	Topics * (3-6)					GEOL	340	Mineralogy and Petrology					
	PHSI	498	Research * (3-6)					GEOL	360	Environmental Geochemistry					
	PHYS	492	Topics (3-6)					GEOL	370	Hydrogeology					
	PHYS	498	Research * (3-6)					PHYS	331	Introduction to Modern Physics					
	RESR	498	Research (3-6)					PHYS	341	Thermodynamics					
	SCI	492	Topics (3-6)					PHYS	343	Statistical Physics *					
	SCI	494	Internship (3-6)					PHYS	361	Optics *					
TOTALS:								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					
								+ (If Necessary) Additional hours in major to meet 50% rule							
								TOTALS:							