Major: **Chemistry**

2016-2017 - Status Sheet

Minor: **Biology**

Degree: **Bachelor of Science**

120 hours are required to graduate _____

36 hours of upper level are required _____

Exit Exam: _____

CAAP Proficiency Exam: _____

B.BS.CHEM

Prepared by:

Phone #:

Date:

NAME:

ID or SSN:

Gen Ed Requirements

				Has 100/200	Has 300/400	Needs 100/200	Needs 300/400
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). **GLOBALIZATION:** take 1 course with a # when selecting Social Science or Arts & Humanities courses.

Social Science - 2 courses required

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, 240, 250, 285 SUST 201 UHON 111, 210 WMST 101

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, 270, 287 REL 213, 224, 225, 238, 250 RUSS 101, 102 SPAN 101, 102, 201, 202 THEA 100, 131, 200, 201, 231, 270

Additional hours to total 36 upper level

Additional hours to total 120

Biology Minor - 24 hours

				Has 100/200	Has 300/400	Needs 100/200	Needs 300/400
4	BIOL	151/L	General Biology I/Lab				
4	BIOL	153/L	General Biology II/Lab				
4	BIOL	343/L	Cell & Molecular Biology/Lab				
			or				
	BIOL	371/L	Genetics/Lab				
12			BIOL 300/400 level Electives (12 hrs):				
	BIOL						
	BIOL						
	BIOL						
	BIOL						
	TOTALS:						

Major Requirements

+ 50% of major/minor courses must be from BHSU

				Has 100/200	Has 300/400	Needs 100/200	Needs 300/400
	Required Core - 33 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 Chem/Lab (Writing/Research)				
4	CHEM	342/L	Physical Chemistry I/Lab				
4	CHEM	464/L	Biochemistry I/Lab				
1	CHEM	490	Senior Seminar				
4	MATH	123	Calculus I				
	Take 1 emphasis:						
	Chemistry Emphasis - 27-30 semester hours						
4	CHEM	452/L	Inorganic Chemistry/Lab				
4	MATH	125	Calculus II				
5	PHYS	211/L	University Physics I/Lab				
5	PHYS	213/L	University Physics II/Lab				
	Required Electives - Take 3 courses and corresponding lab if applicable: 9-12 semester hours						
	BIOL	343/L	Cell & Molecular Biology/Lab				
	CHEM	344/L	Physical Chemistry II/Lab				
	CHEM	355/L	Field Environmental Chemistry/Lab				
	CHEM	434/L	Instrumental Analysis/Lab				
	CHEM	492	Topics				
	GEOL	360	Environmental Geochemistry				
	MATH	225	Calculus III				
	MATH	281	Introduction to Statistics				
	MATH	321	Differential Equations				
	PHYS	331	Modern Physics				
	RESR	498	Research				
	Biochemistry Emphasis						
4	BIOL	151/L	General Biology I/Lab	See minor			
4	BIOL	153/L	General Biology II/Lab	See minor			
4	CHEM	465/L	Biochemistry II/Lab				
			Take one of the following groups:				
	PHYS	111/L	Introduction to Physics I/Lab				
	PHYS	113/L	Introduction to Physics II/Lab				
8-10			**or**				
	PHYS	211/L	University Physics I/Lab				
	PHYS	213/L	University Physics II/Lab				
	Required Electives - Take 2 courses and corresponding lab if applicable: 6-8 semester hours						
	BIOL	317/L	Electron Microscopy/Lab				
	BIOL	325/L	Physiology/Lab				
	BIOL	331/L	Microbiology/Lab				
	BIOL	343/L	Cell & Molecular Biology/Lab				
	BIOL	371/L	Genetics/Lab				
	BIOL	381/L	Vertebrate Anatomy/Lab				
	CHEM	344/L	Physical Chemistry II/Lab				
	CHEM	434/L	Instrumental Analysis/Lab				
	CHEM	452/L	Inorganic Chemistry/Lab				
	CHEM	492	Topics				
	RESR	498	Research				
60-63	TOTALS:						