



Major: **Physical Science**  
2019-2020 - 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 |     | Major Requirements  | Has |     | Needs |     |
|---|-----|-----|-------|-----|---|-----|-----|-------|-----|
|   | 100 | 300 | 100   | 300 |   | 200 | 400 | 200   | 400 |
| 3 ENGL 101 Composition I  |     |     |       |     | <b>Required Core: 26 semester hours</b>                           |     |     |       |     |
| 3 ENGL 201 Composition II   |     |     |       |     | 4 CHEM 112/L General Chemistry I/Lab                              |     |     |       |     |
| 3 SPCM 101 215 222  |     |     |       |     | 4 CHEM 114/L General Chemistry II/Lab                             |     |     |       |     |
| 3 MATH (see major)  |     |     |       |     | 4 MATH 123 Calculus I   |     |     |       |     |
| 3-5 Natural Science & Lab (see major)   |     |     |       |     | 4 MATH 125 Calculus II  |     |     |       |     |
| 3-5 Natural Science & Lab (see major)   |     |     |       |     | 5 PHYS 211/L University Physics I/Lab                             |     |     |       |     |
|   |     |     |       |     | 5 PHYS 213/L University Physics II/Lab                            |     |     |       |     |
| <b>SOCIAL SCIENCE:</b> take 2 courses from two different subject areas.   |     |     |       |     | <b>Take 1 MATH course from the following: 3-4 hours</b>           |     |     |       |     |
| <b>ARTS &amp; HUMANITIES:</b> take 2 courses from two different subject areas (ART/H are the same subject), or a Foreign Language Sequence.   |     |     |       |     | MATH 225 Calculus III   |     |     |       |     |
| <b>Social Science - 2 courses required</b>  |     |     |       |     | MATH 281 Introduction to Statistics                               |     |     |       |     |
| ABS 203 ANTH 210, 220, 230 CJUS 201   |     |     |       |     | MATH 315 Linear Algebra   |     |     |       |     |
| ECON 201, 202 GEOG 101, 200, 210, 212, 219  |     |     |       |     | MATH 316 Discrete Mathematics                                     |     |     |       |     |
| GLST 201 HDFS 141, 210 HIST 151, 152, 256, 257 INED 211 INFO 102 NATV 110   |     |     |       |     | MATH 318 Advanced Discrete Mathematics *                          |     |     |       |     |
| 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  |     |     |       |     | MATH 321 Differential Equations                                   |     |     |       |     |
|   |     |     |       |     | MATH 373 Introduction to Numerical Analysis                       |     |     |       |     |
| <b>Arts &amp; Humanities - 2 courses required</b>   |     |     |       |     | MATH 413 Abstract Algebra   |     |     |       |     |
| 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 |     |     |       |     | MATH 422 Complex Variables  |     |     |       |     |
|   |     |     |       |     | MATH 487 Design of Experiments                                    |     |     |       |     |
| <b>Addl. hours in major/minor to meet 50% rule</b>  |     |     |       |     | <b>Select 6 courses (&amp; lab) from the following: 18-24 hrs</b> |     |     |       |     |
| <b>Addl. hours to meet 60 from 4-yr Inst.</b>   |     |     |       |     | CHEM 326/L Organic Chemistry I/Lab                                |     |     |       |     |
| <b>Addl. hours to total 36 upper level</b>  |     |     |       |     | CHEM 328/L Organic Chemistry II/Lab                               |     |     |       |     |
| <b>Addl. hours to total 120</b>   |     |     |       |     | CHEM 332/L Analytical Chem/Lab                                    |     |     |       |     |
| <b>Select one course from the following list:</b>   |     |     |       |     | CHEM 342 Physical Chemistry I                                     |     |     |       |     |
| CHEM 490 Seminar (1)  |     |     |       |     | CHEM 344 Physical Chemistry II                                    |     |     |       |     |
| ENGL 379 Technical Communication (3)  |     |     |       |     | CHEM 434/L Instrumental Analysis/Lab                              |     |     |       |     |
| GEOL 490 Seminar (1)  |     |     |       |     | CHEM 452 Inorganic Chemistry                                      |     |     |       |     |
| <b>Select 12 credit hours from the following list:</b>  |     |     |       |     | CHEM 464 Biochemistry I   |     |     |       |     |
| CHEM 492 Topics (3-6)   |     |     |       |     | CSC 150 Computer Science I *                                      |     |     |       |     |
| CHEM 498 Research * (3-6)   |     |     |       |     | CSC 250 Computer Science II *                                     |     |     |       |     |
| GEOL 392 Topics (3-6)   |     |     |       |     | CSC 260 Object Oriented Design *                                  |     |     |       |     |
| PHSI 492 Topics * (3-6)   |     |     |       |     | CSC 300 Data Structures *   |     |     |       |     |
| PHSI 498 Research * (3-6)   |     |     |       |     | CSC 316 Discrete Mathematics                                      |     |     |       |     |
| PHYS 492 Topics (3-6)   |     |     |       |     | CSC 318 Advanced Discrete Mathematics *                           |     |     |       |     |
| PHYS 498 Research * (3-6)   |     |     |       |     | CSC 410 Parallel Computing *                                      |     |     |       |     |
| SCI 492 Topics (3-6)  |     |     |       |     | CSC 433 Computer Graphics *                                       |     |     |       |     |
| SCI 494 Internship (3-6)  |     |     |       |     | 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   |     |     |       |     |
| <b>TOTALS:</b>  |     |     |       |     | <b>TOTALS:</b>  |     |     |       |     |