

Grove City College Status Sheet

B.S. in Biochemistry Entering in 2016

Status Sheets are provided as a convenience for the student and may be helpful for recording completed courses. However, the College Bulletin is the controlling authority on all requirements. Questions should be directed to your academic advisor or the Registrar. (WI)=Writing Intensive, (SI)=Speaking Intensive, (IL)=Information Literacy courses.

(5-3-2016)

Name: _____ ID#: _____ Date: _____

Year of Anticipated Graduation: _____ Advisor: _____

| | |
|---|---|
| TOTAL HOURS REQUIRED FOR THIS DEGREE..... 128 HOURS | Minimum CQPA and MQPA required for graduation.....2.00 |
| General Education + Elective Requirements.....55 HOURS | MQPA Courses.....CHEM; BIOL |
| | Major Requirements.....73 HOURS |

GENERAL EDUCATION REQUIREMENTS.....25 HOURS

HUMANITIES CORE.....15 HOURS

| | Cr. | Sem. Taken | Grade |
|------------------------------------|-----|------------|-------|
| HUMA 102 Biblical Revelation (IL)* | 3 | _____ | _____ |
| HUMA 200 Western Civilization | 3 | _____ | _____ |
| HUMA 202 Literature | 3 | _____ | _____ |
| HUMA 301 Arts | 3 | _____ | _____ |
| HUMA 303 Speculative Mind | 3 | _____ | _____ |

*The year-long sequence of RELI 211 and 212 may substitute for this course.

WRITING REQUIREMENT.....3 HOURS

| | | | |
|---|---|-------|-------|
| WRIT 101 Foundations of Academic Discourse (IL) | 3 | _____ | _____ |
|---|---|-------|-------|

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT).....2 HOURS

Choose one course from the following:

| | | | |
|---|---|-------|-------|
| PHIL 243 Science and the Human: Inquiry | | | |
| SSFT 210 Science & Religion | | | |
| SSFT 212 Science, Faith, Technology & Origins | | | |
| _____ | 2 | _____ | _____ |

FOUNDATIONS OF THE SOCIAL SCIENCES.....3 HOURS

Choose one social science course from the following:

| | | | |
|---|---|-------|-------|
| ECON 120 Foundations of Economics | | | |
| HIST 120 Foundations of History | | | |
| HIST 204 Hist/Phil Foundations of Education | | | |
| POLS 101 Foundations of Political Science | | | |
| PSYC 101 Foundations of Psychology | | | |
| PSYC 200 Cross-Cultural Psychology | | | |
| SOCI 101 Foundations of Sociology | | | |
| SOCI 103 Foundations of Cultural Anthropology | | | |
| SOCW 101 Foundations of Social Work | | | |
| _____ | 3 | _____ | _____ |

QUANTITATIVE / LOGICAL REASONING.....0 HOURS

College requirements met through major-related coursework.

NATURAL SCIENCES (with labs).....0 HOURS

College requirements met through major-related coursework.

PHYSICAL EDUCATION.....2 HOURS

| | | | |
|------------------------------|---|-------|-------|
| PHYE 101 (men) / 111 (women) | 1 | _____ | _____ |
| PHYE 102 (men) / 112 (women) | 1 | _____ | _____ |

GENERAL ELECTIVES.....30 HOURS

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

BIOCHEMISTRY CORE REQUIREMENTS.....54 HOURS

Cr. Sem. Taken Grade

Minimum CQPA and MQPA required for graduation.....2.00

MQPA Courses.....CHEM; BIOL

Major Requirements.....73 HOURS

| | | | |
|---|---|-------|-------|
| CHEM 101 General Chemistry I | 4 | _____ | _____ |
| CHEM 102 General Chemistry II | 4 | _____ | _____ |
| CHEM 227 Analytical Chemistry | 4 | _____ | _____ |
| CHEM 231 Descriptive Inorg/Bioinorg Chemistry | 2 | _____ | _____ |
| CHEM 235 Chem in Context (IL) | 1 | _____ | _____ |
| CHEM 241 Organic Chemistry I | 4 | _____ | _____ |
| CHEM 242 Organic Chemistry II | 4 | _____ | _____ |
| CHEM 342 Physical Chem of Bio Systems | 4 | _____ | _____ |
| CHEM 351 Biochemistry I | 4 | _____ | _____ |
| CHEM 352 Biochemistry II | 4 | _____ | _____ |
| CHEM 451 Biochem: Data & Analysis | 3 | _____ | _____ |
| CHEM 487 Biochem Seminar (WI) (SI) | 1 | _____ | _____ |
| BIOL 101 General Biology I | 4 | _____ | _____ |
| BIOL 102 General Biology II | 4 | _____ | _____ |
| BIOL 233 Genetics | 3 | _____ | _____ |
| BIOL 234 Cell Biology | 4 | _____ | _____ |

MAJOR RELATED REQUIREMENTS.....19 HOURS

| | | | |
|---|---|-------|-------|
| MATH 161 Calculus I | 4 | _____ | _____ |
| MATH 162 Calculus II | 4 | _____ | _____ |
| PHYS 101 General Physics I AND PHYS 102 General Physics II | 4 | _____ | _____ |
| | 4 | _____ | _____ |
| OR | | | |
| PHYS 121 College Physics I AND PHYS 122 College Physics II | 4 | _____ | _____ |
| | 4 | _____ | _____ |
| PSYC 201 Statistical Methods | 3 | _____ | _____ |

GENERAL ELECTIVES (cont.).....

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

SUGGESTED SCHEDULE FOR BIOCHEMISTRY (BIOC) MAJORS

Freshman Year

Fall

| | |
|--|----------|
| CHEM 101 General Chemistry I | 4 |
| BIOL 101 General Biology I | 4 |
| MATH 161 Calculus I | 4 |
| WRIT 101 Foundations of Academic Discourse..... | 3 |
| PHYE 101 Freshman Fitness/Wellness (men) OR | |
| PHYE 111 Freshman Fitness/Wellness (women) | <u>1</u> |
| | 16 |

Spring

| | |
|--|----------|
| CHEM 102 General Chemistry II..... | 4 |
| BIOL 102 General Biology II | 4 |
| MATH 162 Calculus II | 4 |
| HUMA 102 Civ/Biblical Revelation | 3 |
| PHYE 102 Freshman Fitness/Wellness (men) OR | |
| PHYE 112 Freshman Fitness/Wellness (women) | <u>1</u> |
| | 16 |

Sophomore Year

Fall

| | |
|-------------------------------------|----------|
| CHEM 241 Organic Chemistry I | 4 |
| BIOL 233 Genetics | 3 |
| CHEM 235 Chemistry in Context..... | 1 |
| HUMA 200 Western Civilization | 3 |
| PSYC 201 Statistical Methods | 3 |
| Elective..... | <u>3</u> |
| | 17 |

Spring

| | |
|--|----------|
| CHEM 242 Organic Chemistry II..... | 4 |
| BIOL 234 Cell Biology | 4 |
| CHEM 231 Descriptive Inorg/Bioinor Chemistry | 2 |
| HUMA 202 Civ/Literature | 3 |
| Foundations of Social Science..... | <u>3</u> |
| | 16 |

Junior Year

Fall

| | |
|-------------------------------------|----------|
| CHEM 227 Analytical Chemistry | 4 |
| CHEM 351 Biochemistry I | 4 |
| PHYS 121 College Physics I | 4 |
| SSFT | 2 |
| Elective..... | <u>1</u> |
| | 15 |

Spring

| | |
|--|----------|
| CHEM 342 Physical Chem of Bio Systems* | 4 |
| CHEM 352 Biochemistry II | 4 |
| PHYS 122 College Physics II..... | 4 |
| HUMA 303 Speculative Mind | <u>3</u> |
| | 15 |

Senior Year

Fall

| | |
|--|-----------|
| CHEM 451 Biochemistry: Data and Analysis | 3 |
| HUMA 301 Civ/Arts | 3 |
| Electives..... | <u>10</u> |
| | 16 |

Spring

| | |
|------------------------------------|-----------|
| CHEM 487 Biochemistry Seminar..... | 1 |
| Electives..... | <u>16</u> |
| | 17 |

The schedule above exactly satisfies the 128 required credit hours for graduation.

There is a great deal of flexibility in the Junior and Senior years.

*CHEM 342 is offered alternate years, beginning spring 2015. Schedule accordingly as you may need to take this course in the senior year.

Students should be aware that some elective courses are only available in specific semesters.