

Grove City College Status Sheet

B.S. in Biology with Secondary Certifications Biology and General Science Education Entering in 2015

(3-19-2015)

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.

Name: _____ ID#: _____ Date: _____

Year of Anticipated Graduation: _____ Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE 128 HOURS
General Education + Elective Requirements 29 HOURS

GENERAL EDUCATION REQUIREMENTS 29 HOURS

Minimum COPA and MQPA required for graduation 2.00
Minimum Certification COPA 3.00; MQPA 2.75
MQPA Courses BIOL
Major Requirements 99 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) _____

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT) 3 HOURS

Choose one course from the following:

PHIL 243 Science and the Human: Inquiry

SSFT 210 Science & Religion

SSFT 212 Science, Faith, Technology & Origins

_____ 3 _____

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

_____ 3 _____

QUANTITATIVE / LOGICAL REASONING 3 HOURS

Any MATH course; PSYC 203 or BUSA 201; PHIL 201 or 211; COMP 141

NATURAL SCIENCES (with labs) 0 HOURS

College requirements here are met through major/related coursework.

PHYSICAL EDUCATION 2 HOURS

PHYE 101 (men) / 111 (women) 1 _____

PHYE 102 (men) / 112 (women) 1 _____

GENERAL ELECTIVES 0 HOURS

MAJOR-RELATED REQUIREMENTS 22 HOURS

ASTR 206 Intro to Sky Motions/Planets OR

ASTR 207 Intro to Stars/Galaxies/Cosmol 3 _____

CHEM 101 General Chemistry I 4 _____

CHEM 102 General Chemistry I 4 _____

GEOL 201 Physical/Environmental 3 _____

MATH 161 Calculus I 4 _____

SCIC 201 Fundamentals of the Universe OR

PHYS 121 College Physics 4 _____

PROFESSIONAL EDUCATION REQUIREMENTS 40 HOURS

EDUC 202 Foundations of Teaching 3 _____

EDUC 203 Culturally Relevant Pedagogy 3 _____

EDUC 204 Technologies of Instruction 3 _____

EDUC 309 Field Exp Teach Sec Science 2 _____

EDUC 371 Field Experience 1 _____

EDUC 431 Student Teaching 16 _____

EDUC 488 Issues/Comp Educ 3 _____

EDUC 305 Curriculum & Instruction 3 _____

PSYC 102 Educational Psychology 3 _____

SEDU 101 Exceptional Learners 3 _____

BIOLOGY CORE 16 HOURS

	Cr.	Sem. Taken	Grade
BIOL 101 General Biology I	4	_____	_____
BIOL 102 General Biology II	4	_____	_____
BIOL 233 Introduction to Genetics (IL)	3	_____	_____
BIOL 234 Cell Biology	4	_____	_____
BIOL 486 Seminar for Bio Teachers (WI, SI, IL)	1	_____	_____

BIOLOGY GROUP CHOICES 18 HOURS

Choose one course from each of the following groups, as well as an additional course from any group to reach a minimum of 18 credits. Your group course selections must include a minimum of three 4-credit lab courses.

GROUP 1—MOLECULAR MECHANISMS AND PHYSIOLOGY

BIOL 302 Developmental Biology * 4

BIOL 301 Advanced Genetics * 4

BIOL 325 Virology * 3

BIOL 334 Biochemistry for Biology 3 Group 1: _____

BIOL 346 Mammalian Physiology 4

BIOL 407 Microbiology 4

GROUP 2—VERTEBRATE SYSTEMS

BIOL 310 Zoonotic Disease & Public Health 4

BIOL 313 Histology * 3

BIOL 314 Immunology 3 Group 2: _____

BIOL 341 Mammalian Anatomy 4

GROUP 3—NATURAL HISTORY

BIOL 305 Plant Taxonomy 4

BIOL 323 Invertebrate Zoology * 3

BIOL 326 Evolutionary Biology 3 Group 3: _____

BIOL 409 Entomology * 4

GROUP 4—ENVIRONMENTAL AND ECOLOGICAL DIVERSITY

BIOL 320 Conservation & Wildlife Biology 4

BIOL 331 Ecology 4

BIOL 403 Physiol/Behavioral Ecology * 3 Group 4: _____

BIOL 421 Aquatic & Fishery Biology * 3

ADDITIONAL GROUP COURSE

One course from any of the groups above 3-4 Group Elec: _____

*Offered alternate years. Schedule accordingly.

BIOLOGY ELECTIVES 3 HOURS

To reach the minimum 99 hours Major requirements, plan to take the major-related and professional education requirements (see left), and your selection of additional BIOL courses including any additional group courses (above) and/or seminar, research or internship courses (below).

RESEARCH (minimum 2 hour commitment), INDEPENDENT STUDY, INTERNSHIP

BIOL 260/360/460 Independent Study 1-3 _____

BIOL 270/370/470 Independent Research 1 _____

BIOL 480 Internship in Biology 1-6 _____

BIOL 499 Honors Biology Research 1-2 _____

SEMINARS

BIOL 208 Intro to Environmental Education 2 _____

BIOL 372 Contemporary Topics in Biology 1 _____

BIOL 484 Issues in Environmental Education 2 _____

SUGGESTED COURSE PLAN
Biology with Secondary Certifications in Biology
and General Science Education major
(BGSE)

Freshman Year

BIOL 101 General Biology I..... 4	BIOL 102 General Biology II4
CHEM 101 General Chemistry I..... 4	CHEM 102 General Chemistry II.....4
WRIT 101 Foundations of Academic Discourse..... 3	HUMA 102 Civ/Biblical Revelation3
MATH 161 Calculus I 4	PHYE 102/112 Fitness & Wellness.....1
PHYE 101/111 Fitness & Wellness <u>1</u>	PSYC 102 Educational Psychology <u>3</u>
16	15

Sophomore Year

BIOL 233 Genetics 3	BIOL 234 Cell Biology4
EDUC 202 Found of Teaching 3	EDUC 203 Culturally Relevant Pedagogy.....3
HUMA 200 Western Civilization 3	EDUC 371 Field Experience Secondary1
PHYS 121 College Physics <i>OR</i>	GEOL 201 Physical/Environmental Geology3
SCIC 201 Fundamentals of Universe..... 4	HUMA 202 Civ/Literature*3
SEDU 101 Exceptional Learners..... <u>3</u>	SSFT Course* <u>3</u>
16	17

Junior Year

ASTR 206 Introduction to Sky Motions and Planets..... 3	BIOL Group Course4
BIOL Group Course..... 4	BIOL 486 Seminar for Biology Teachers.....1
BIOL Group Course..... 4	EDUC 204 Technologies of Instruction3
Foundations of the Social Sciences 3	EDUC 305 Curriculum & Instruction.....3
HUMA 301 Civ/ Arts* <u>3</u>	EDUC 309 Sec. Science Meth/Field Exper2
17	HUMA 303 Speculative Mind <u>3</u>
	16

Senior Year

BIOL Group Course..... 4	EDUC 431 Student Teaching..... <u>16</u>
BIOL Group Course..... 3	16
BIOL Elective..... 2	
EDUC 488 Issues in Education 3	
Quant/Logic Req (e.g. PSYC 203) <u>3</u>	
15	

Consult with your advisor regarding specific courses and course load per semester.

* Courses typically offered during January and May intersessions.

The above schedule is a suggested plan only; please note that there is some flexibility in scheduling certain courses. The student must consult with the advisor each semester regarding course selection and planning.