

Grove City College Status Sheet

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.

B.S. in Molecular Biology Entering in 2016 (5-3-2016)

Name: _____
 Year of Anticipated Graduation: _____

ID#: _____ Date: _____
 Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE.....128 HOURS	Minimum CQPA and MQPA required for graduation.....2.00 MQPA
General Education + Elective Requirements.....58 HOURS	Courses.....BIOL
	Major Requirements.....70 HOURS

GENERAL EDUCATION REQUIREMENTS 28 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 Found. of Acad. Discourse (IL)	3	_____	_____
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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 3 HOURS

Refer to Bulletin – General Education section – for requirements.

	3	_____	_____
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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

_____	_____	_____	_____
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BIOLOGY CORE 16 HOURS

	Cr.	Sem. Taken	Grade
BIOL 101 General Biology I	4	_____	_____
BIOL 102 General Biology II	4	_____	_____
BIOL 233 Genetics (IL)	3	_____	_____
BIOL 234 Cell Biology	4	_____	_____
BIOL 488 Biology Seminar (WI, SI, IL)	1	_____	_____

MOLECULAR GROUP I 12 HOURS

BIOL 301 Advanced Genetics *	4	_____	_____
BIOL 302 Developmental Biology *	4	_____	_____
BIOL 407 Microbiology	4	_____	_____

MOLECULAR GROUP 2: Complete one of the following courses 3 HOURS

BIOL 314 Immunology	3	_____	_____
BIOL 325 Virology *	3	_____	_____
BIOL 322 The Biology of Cancer	3	_____	_____

BIOLOGY ELECTIVES 11 HOURS

Complete 11 hours, choosing from the upper-division, seminar, research, or internship options listed below.

BIOL 305 Plant Taxonomy	4	_____	_____
BIOL 310 Zoonotic Disease & Public Health	4	_____	_____
BIOL 313 Histology *	3	_____	_____
BIOL 320 Conservation & Wildlife Biology	4	_____	_____
BIOL 323 Invertebrate Zoology *	3	_____	_____
BIOL 326 Evolutionary Biology	3	_____	_____
BIOL 331 Ecology	4	_____	_____
BIOL 341 Human/Mammalian Anatomy	4	_____	_____
BIOL 346 Human/Mammalian Physiology	4	_____	_____
BIOL 403 Basis of Wildlife Behavior *	3	_____	_____
BIOL 409 Entomology *	4	_____	_____
BIOL 421 Aquatic & Fishery Biology *	3	_____	_____

*Offered alternate years. Schedule accordingly.

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	_____	_____

MAJOR-RELATED REQUIREMENTS 28 HOURS

CHEM 101 General Chemistry I	4	_____	_____
CHEM 102 General Chemistry II	4	_____	_____
CHEM 241 Organic Chemistry I	4	_____	_____
CHEM 242 Organic Chemistry II	4	_____	_____
CHEM 351 Biochemistry I	4	_____	_____
CHEM 352 Biochemistry II	4	_____	_____
MATH 161 Calculus I**	4	_____	_____

SUGGESTED COURSE PLAN
Molecular Biology major
(MBIO)

****Please note that there is considerable flexibility in semesters 5-8****

Freshman Year

<u>Fall</u>		<u>Spring</u>	
BIOL 101 General Biology I.....	4	BIOL 102 General Biology II	4
CHEM 101 General Chemistry I	4	CHEM 102 General Chemistry II.....	4
WRIT 101 Foundations of Academic Discourse	3	HUMA 102 Civ/ Biblical Revelation	3
PHYE 101/111 Fitness & Wellness	1	PHYE 102/112 Fitness & Wellness.....	1
General Electives*	<u>4</u>	MATH 161 Calculus I	<u>4</u>
	16		16

*MATH 111 Pre-Calculus may be appropriate for those wishing to prepare for MATH 161 Calculus I in the spring semester.

Sophomore Year

<u>Fall</u>		<u>Spring</u>	
BIOL 233 Genetics	3	BIOL 234 Cell Biology	4
CHEM 241 Organic Chemistry I	4	CHEM 241 Organic Chemistry II.....	4
HUMA 200 Western Civilization.....	3	HUMA 202 Civ/Literature	3
SSFT course	2	Quant/Logical Reasoning course (e.g. Psyc 201).....	<u>3</u>
Foundations of Social Science	<u>3</u>		14
	15		

Junior Year

<u>Fall</u>		<u>Spring</u>	
BIOL 301 Advanced Genetics	4	BIOL 302 Developmental Biology	4
Molecular Group 2 Elective or Biology Elective	3	Biology Elective or Molecular Group 2 Elective.....	3
CHEM 351 Biochemistry I	4	CHEM 352 Biochemistry II.....	4
HUMA 301 Civ/The Arts	3	HUMA 303 Speculative Mind	3
General Electives	<u>3</u>	General Electives.....	<u>3</u>
	17		17

Senior Year

<u>Fall</u>		<u>Spring</u>	
BIOL 407 Microbiology	4	BIOL 488 Biology Seminar.....	1
Biology Elective	3	Biology Elective.....	3
Biology Elective	1	Biology Elective.....	1
General Electives	<u>9</u>	General Electives.....	<u>11</u>
	17		16

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

A total of at least 128 credits of coursework are required for graduation.