

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 2023

(REVISED 03-21-2023)

Name: _____
ID# _____
Year of Anticipated Graduation: _____

Date: _____
Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE----- 128 HOURS
General Education + Elective Requirements----- 56 HOURS

Minimum CQPA and MQPA required for graduation-----2.00
MQPA Courses-----BIOL
Major Requirements-----72 HOURS

GENERAL EDUCATION REQUIREMENTS----- 27 HOURS

		Cr.	Sem. Taken	Grade
HUMANITIES CORE----- 15 HOURS				
HUMA 102	Civ and the Biblical Revelation (IL)*	3		
HUMA 200	Western Civilization	3		
HUMA 202	Civilization and Literature	3		
HUMA 301	Civilization and the Arts	3		
HUMA 303	Christianity and Civilization	3		
*The year-long sequence of RELI 211 and 212 may substitute for this course.				

WRITING REQUIREMENT----- 3 HOURS

WRIT 101	Found. of Academic Discourse (IL)	3		
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STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT)----- 2 HOURS

Choose one course from the following:				
COMP 205/SSFT 205 Ethics, Faith, and the Conscious Mind				
PHIL 243	Science and the Human: Inquiry, Design, & the Person			
SSFT 210	Science & Religion			
SSFT 212	Science, Faith, Technology, & Origins			
		2		

FOUNDATIONS OF THE SOCIAL SCIENCES----- 3 HOURS

Choose one course from the following:				
ECON 120	Foundations of Economics	PSYC 101	Found. of Psychology	
HIST 120	Foundations of History	PSYC 200	Cross-Cultural Psychology	
HIST 141	World Geography	SOCI 101	Foundations of Sociology	
HIST 204	Hist/Phil Foundations of Education	SOCI 103	Found. of Cultural Anthr.	
POLS 101	Foundations of Political Science	SOCW 101	Found. of Social Work	
		3		

QUANTITATIVE/LOGICAL REASONING----- 3 HOURS

Refer to the <i>Bulletin</i> - General Education section - for requirements.				
		3		

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

College requirements met through major-related coursework.				
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PHYSICAL EDUCATION----- 1 HOURS

PHYE 100	Healthful Living	1		
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GENERAL ELECTIVES----- 29 HOURS

BIOLOGY CORE REQUIREMENTS----- 18 HOURS

		Cr.	Sem. Taken	Grade
BIOL 101	General Biology I	4		
BIOL 102	General Biology II	4		
Select one of the following:				
	BIOL 180 Introduction to Biology - Non Health			
	BIOL 182 Introduction to Biology - Health			
BIOL 233	Genetics	4		
BIOL 234	Cell Biology	4		
BIOL 488	Seminar in Biology (WI, SI, IL)	1		

MOLECULAR GROUP 1----- 12 HOURS

BIOL 301	Medical 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 322	The Biology of Cancer	3		
BIOL 325	Virology *	3		

*Offered alternate years. Schedule accordingly.

BIOLOGY ELECTIVES----- 11 HOURS

Choose eleven hours from any additional Biology offerings. See the College *Bulletin* for Biology offerings not listed above. Note: Independent or honors research requires a minimum two-semester commitment (one-credit per semester).

MAJOR-RELATED REQUIREMENTS----- 28 HOURS

CHEM 111	General Chemistry I	3		
CHEM 113	General Chemistry I Lab	1		
CHEM 112	General Chemistry II	3		
CHEM 114	General Chemistry II Lab	1		
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		

SAMPLE FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN MOLECULAR BIOLOGY

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

Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
BIOL 101 General Biology I.....	4	BIOL 102 General Biology II.....	4
CHEM 111 General Chemistry I.....	3	BIOL 180 or BIOL 182 Intro to Biology (Health or Non Health). 1	
CHEM 113 General Chemistry I Lab.....	1	CHEM 112 General Chemistry II.....	3
WRIT 101 Foundations of Academic Discourse.....	3	CHEM 114 General Chemistry II Lab.....	1
PHYE 100 Healthful Living.....	1	HUMA 102 Civ and the Biblical Revelation.....	3
General Electives*.....	4	MATH 161 Calculus I.....	4
	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>Credits</u>	<u>Spring</u>	<u>Credits</u>
BIOL 233 Genetics.....	4	BIOL 234 Cell Biology.....	4
CHEM 241 Organic Chemistry I.....	4	CHEM 242 Organic Chemistry II.....	4
HUMA 200 Western Civilization.....	3	HUMA 202 Civilization and Literature.....	3
SSFT Course.....	2	Quantitative/Logical Reasoning course (e.g. PSYC 201).....	3
Foundations of Social Science.....	3		14
	16		

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
BIOL 301 Medical 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 Civilization and the Arts.....	3	HUMA 303 Christianity and Civilization.....	3
General Electives.....	3	General Electives.....	3
	17		17

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
BIOL 407 Microbiology.....	4	BIOL 488 Biology Seminar.....	1
Biology Elective.....	3	Biology Elective.....	3
Biology Elective.....	1	Biology Elective.....	1
General Electives.....	8	General Electives.....	11
	16		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.