

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 2021

(REVISED 03-01-2021)

Name: _____

ID# _____

Year of Anticipated Graduation: _____

Date: _____

Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE----- 128 HOURS

General Education + Elective Requirements----- 57 HOURS

GENERAL EDUCATION REQUIREMENTS----- 27 HOURS

HUMANITIES CORE----- 15 HOURS

	Cr.	Sem. Taken	Grade
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	_____	_____
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FOUNDATIONS OF THE SOCIAL SCIENCES----- 3 HOURS

Choose one course from the following:

ECON 120 Foundations of Economics

HIST 120 Foundations of History

HIST 141 World Geography

HIST 204 Hist/Phil Foundations of Education

POLS 101 Foundations of Political Science

	3	_____	_____
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QUANTITATIVE/LOGICAL REASONING----- 3 HOURS

Refer to the *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----- 1 HOURS

PHYE 100 Healthful Living	1	_____	_____
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GENERAL ELECTIVES----- 30 HOURS

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

MQPA Courses-----BIOL

Major Requirements-----71 HOURS

BIOLOGY CORE REQUIREMENTS----- 17 HOURS

	Cr.	Sem. Taken	Grade
BIOL 101 General Biology I	4	_____	_____
BIOL 102 General Biology II	4	_____	_____
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	CHEM 112 General Chemistry II.....	3
CHEM 113 General Chemistry I Lab.....	1	CHEM 114 General Chemistry II Lab.....	1
WRIT 101 Foundations of Academic Discourse.....	3	HUMA 102 Civ and the Biblical Revelation.....	3
PHYE 100 Healthful Living.....	1	MATH 161 Calculus I.....	4
General Electives*.....	<u>4</u>	General Elective.....	<u>1</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>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).....	<u>3</u>
Foundations of Social Science.....	<u>3</u>		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.....	<u>2</u>	General Electives.....	<u>3</u>
	16		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.....	<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.