

# 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.

## B.S. in Molecular Biology Entering in 2025

(W)=Writing Intensive, (SI)=Speaking Intensive, (IL)=Information Literacy courses.

(REVISED 03-21-2025)

Name: \_\_\_\_\_

ID# \_\_\_\_\_

Year of Anticipated Graduation: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

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

**General Education + Elective Requirements----- 56 HOURS**

**GENERAL EDUCATION REQUIREMENTS----- 26 HOURS**

	Cr.	Sem. Taken	Grade
<b>HUMANITIES CORE----- 18 HOURS</b>			
HUMA 100	1	_____	_____
HUMA 200	3	_____	_____
HUMA 202	3	_____	_____
HUMA 204	3	_____	_____
HUMA 261	3	_____	_____
HUMA 271	3	_____	_____
HUMA 300	2	_____	_____

**WRITING REQUIREMENT----- 3 HOURS**

WRIT 101	3	_____	_____
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**FOUNDATIONS OF THE SOCIAL SCIENCES\*----- 3 HOURS**

Choose one course from the following:

ECON 120	Foundations of Economics	PSYC 101	Foundations of Psychology
HIST 120	Foundations of History	PSYC 200	Cross-Cultural Psychology
HIST 204	Historical & Phil. Found. of Education	SOCW 101	Foundations of Social Work
POLS 101	Foundations of Political Science	SOCI 101	Foundations of Sociology
		SOCI 103	Found. of Cultural Anthr.
		3	_____

**NATURAL SCIENCE (with lab)/ QUANTITATIVE/LOGICAL REASONING---- 0 HOURS**

- (1) Natural Science with lab 4 (Met through major)
- (2) Quantitative/Logical Reasoning 3-4 (Met through major)
- (3) Third course in Natural Science, Quantitative or Logical Reasoning 3-4 (Met through major)

**STUDIES IN SCIENCE, FAITH, & TECHNOLOGY ----- 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

**GENERAL ELECTIVES----- 30 HOURS**

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

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

**MQPA Courses-----BIOL**

**Major Requirements-----72 HOURS**

**BIOLOGY CORE REQUIREMENTS----- 18 HOURS**

	Cr.	Sem. Taken	Grade
BIOL 101	4	_____	_____
BIOL 102	4	_____	_____
Select one of the following:			
	1	_____	_____
			BIOL 180 Introduction to Biology - Non Health
			BIOL 182 Introduction to Biology - Health
BIOL 233	4	_____	_____
BIOL 234	4	_____	_____
BIOL 488	1	_____	_____

**MOLECULAR GROUP 1----- 12 HOURS**

BIOL 301	4	_____	_____
BIOL 302	3	_____	_____
BIOL 307	1	_____	_____
<b>OR</b> BIOL 404 Advanced Topics in Genetics *			
BIOL 407	4	_____	_____

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

BIOL 314	3	_____	_____
BIOL 322	3	_____	_____
BIOL 325	3	_____	_____
BIOL 416	4	_____	_____

\*Offered alternate years. Schedule accordingly.

**BIOLOGY ELECTIVES----- 11 HOURS minimum**

Choose eleven hours from any additional Biology offerings or CHEM 330, ENGR 340, PHIL 271, PHYS 401 or 402, or PUBH 101, 102, or 201. See the College *Bulletin* for additional Biology offerings.

Note: Independent or honors research requires a minimum two-credit commitment.

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

**MAJOR-RELATED REQUIREMENTS----- 28 HOURS**

CHEM 111	3	_____	_____
CHEM 113	1	_____	_____
CHEM 112	3	_____	_____
CHEM 114	1	_____	_____
CHEM 241	4	_____	_____
CHEM 242	4	_____	_____
CHEM 351	4	_____	_____
CHEM 352	4	_____	_____
MATH 161	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
Writing Requirement or HUMA Course.....	3	CHEM 114 General Chemistry II Lab.....	1
HUMA 100 The Humanities: Christian Wisdom.....	1	Writing Requirement or HUMA Course.....	3
General Electives*.....	<u>4</u>	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 Course .....	3	HUMA Course .....	3
SSFT Course.....	2	General Electives.....	<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 Course .....	3	HUMA Course .....	3
General Electives.....	<u>3</u>	General Electives.....	<u>3</u>
	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
HUMA 300 Gospel and the Good Life: Christian Ethics... 2		General Electives.....	<u>11</u>
General Electives.....	<u>6</u>		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.