

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 Biochemistry with
Concentration in Forensic Chemistry
Entering in 2023
(REVISED 03-29-2023)

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

Date: _____
Advisor: _____

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

General Education + Elective Requirements----- 41 HOURS

GENERAL EDUCATION REQUIREMENTS----- 24 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 _____

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 Foundations 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----- 0 HOURS
College requirements met through major-related coursework.

NATURAL SCIENCES (with labs)----- 0 HOURS
College requirements met through major-related coursework.

PHYSICAL EDUCATION----- 1 HOURS
PHYE 100 Healthful Living 1 _____

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

MQPA Courses-----CHEM, BIOL

Major Requirements-----87 HOURS

BIOCHEMISTRY CORE REQUIREMENTS----- 53 HOURS

		Cr.	Sem. Taken	Grade
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 141	Beginning Biochemistry	2	_____	_____
CHEM 227	Analytical Chemistry	4	_____	_____
CHEM 231	Descriptive Inorganic/Bioinorganic Chem.	2	_____	_____
CHEM 235	Chemistry in Context (IL)	1	_____	_____
CHEM 241	Organic Chemistry I	4	_____	_____
CHEM 242	Organic Chemistry II	4	_____	_____
CHEM 342	Physical Chemistry of Biological Systems	4	_____	_____
CHEM 351	Biochemistry I	4	_____	_____
CHEM 352	Biochemistry II	4	_____	_____
CHEM 451	Biochemistry: Data & Analysis	3	_____	_____
CHEM 487	Biochemistry Seminar (WI, SI)	1	_____	_____
BIOL 101	General Biology I	4	_____	_____
BIOL 233	Genetics	4	_____	_____
BIOL 234	Cell Biology	4	_____	_____

MAJOR RELATED REQUIREMENTS----- 19 HOURS

MATH 161	Calculus I	4	_____	_____
MATH 162	Calculus II	4	_____	_____
PHYS 101	General Physics I AND			
PHYS 102	General Physics II	4	_____	_____
OR				
PHYS 121	College Physics I AND	4	_____	_____
PHYS 122	College Physics II			
PSYC 201	Statistical Methods	3	_____	_____

CONCENTRATION REQUIREMENTS----- 15 HOURS

CHEM 151	Introduction to Forensic Science	3	_____	_____
CHEM 406	Instrumental Analysis	4	_____	_____
CHEM 408	Forensic Chemistry	2	_____	_____
Choose two courses from PSYC 315 Forensic Psychology, SOCI 233 Introduction to Criminal Justice, or SOCI 314 Criminology.				
		3	_____	_____
		3	_____	_____

GENERAL ELECTIVES----- 17 HOURS

SAMPLE FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN BIOCHEMISTRY with a FORENSIC CHEMISTRY CONCENTRATION

Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
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
BIOL 101 General Biology I.....	4	CHEM 141 Beginning Biochemistry.....	2
MATH 161 Calculus I.....	4	MATH 162 Calculus II.....	4
WRIT 101 Foundations of Academic Discourse.....	3	HUMA 102 Civ and the Biblical Revelation.....	3
General Elective.....	<u>1</u>	PHYE 100 Healthful Living.....	1
	16	General Electives.....	<u>2</u>
			16

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 151 Introduction to Forensice Science.....	3	CHEM 231 Descriptive Inorg/Bioinorg Chemistry.....	2
CHEM 235 Chemistry in Context.....	1	CHEM 242 Organic Chemistry II.....	4
CHEM 241 Organic Chemistry I.....	4	BIOL 234 Cell Biology.....	4
BIOL 233 Genetics.....	4	HUMA 200 Western Civilization.....	3
PSYC 201 Statistical Methods.....	<u>3</u>	SOCI 233 Introduction to Criminal Justice.....	<u>3</u>
	15		16

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 227 Analytical Chemistry.....	4	CHEM 342 Physical Chemistry of Biological Systems.....	4
CHEM 351 Biochemistry I.....	4	CHEM 352 Biochemistry II.....	4
PHYS 121 College Physics I.....	4	PHYS 122 College Physics II.....	4
SSFT Course.....	2	HUMA 202 Civilization and Literature.....	3
Foundations of Social Science Course.....	<u>3</u>	General Electives.....	<u>2</u>
	17		17

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 451 Biochemistry: Data & Analysis.....	3	CHEM 406 Instrumental Analysis.....	4
HUMA 301 Civilization and the Arts.....	3	CHEM 408 Forensic Chemistry.....	2
SOCI 314 or PSYC 315.....	3	CHEM 487 Biochemistry Seminar.....	1
General Electives.....	<u>6</u>	HUMA 303 Christianity and Civilization.....	3
	15	General Electives.....	<u>6</u>
			16

The schedule above satisfies the 128 required credit hours for graduation.

There is a great deal of flexibility in the Junior and Senior years.

Students should be aware that some electives are only available in specific semesters.