

# 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 Chemistry and General Science Secondary Education Certification Entering in 2021

(REVISED 03-01-2021)

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

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

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

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

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

TOTAL HOURS REQUIRED FOR THIS DEGREE-----432-133 HOURS

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

Minimum QPAs required for certification-----CQPA 3.00; MQPA 2.75

MQPA Courses-----CHEM; EDUC; GEOL 201; PSYC 102; SEDU 102; SEDU 103; ASTR 206, 207; SCIC 202, 204

General Education + Elective Requirements-----24 HOURS

Major Requirements-----108-109 HOURS

GENERAL EDUCATION REQUIREMENTS-----24 HOURS

CHEMISTRY CORE REQUIREMENTS-----38 HOURS

	Cr.	Sem. Taken	Grade
<b>HUMANITIES CORE-----15 HOURS</b>			
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	_____	_____

	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 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 345 Microscopic Physical Chemistry	4	_____	_____
CHEM 346 Macroscopic Physical Chemistry	4	_____	_____
CHEM 351 Biochemistry I	4	_____	_____
CHEM 402 Techniques in Chemistry Classroom/Lab Inst	2	_____	_____
CHEM 488 Chemistry Seminar (WI, SI)	1	_____	_____

\*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 \_\_\_\_\_

GENERAL ELECTIVES-----0 HOURS

Suggested additional courses: BIOL 101 General Biology I

MAJOR RELATED REQUIREMENTS-----30-31 HOURS

MATH 161 Calculus I	4	_____	_____
MATH 162 Calculus II	4	_____	_____
MATH 261 Calculus III	4	_____	_____
SCIC 202 Life Science	4	_____	_____

PHYS 101 General Physics I <b>AND</b>			
PHYS 102 General Physics II	4	_____	_____
<b>OR</b>			
PHYS 121 College Physics I <b>AND</b>	4	_____	_____
PHYS 122 College Physics II			

ASTR 206 Intro to Sky Motions and Planets <b>OR</b>			
ASTR 207 Intro to Stars, Galaxies, and Cosmology	3	_____	_____

GEOL 201 Physical / Environmental Geology <b>OR</b>			
SCIC 204 Environmental Science	3-4	_____	_____

PROFESSIONAL EDUCATION REQUIREMENTS-----40 HOURS

EDUC 202^ Introduction to the Teaching Profession	3	_____	_____
EDUC 203 Culturally Relevant Pedagogy	3	_____	_____
EDUC 204 Technologies of Instruction	3	_____	_____
EDUC 215 Secondary Curriculum & Instruction I	2	_____	_____
EDUC 317 Secondary Math/Scic Curriculum & Instruc II	2	_____	_____
EDUC 371 Field Experience	1	_____	_____
EDUC 375 Secondary Field Experience (3rd Level)	1	_____	_____
EDUC 431 Student Teaching	16	_____	_____
EDUC 488 Issues in Education/Comparative Education	3	_____	_____
PSYC 102 Educational Psychology	3	_____	_____
SEDU 102 Exceptional Learners for 7-12 & K-12	2	_____	_____
SEDU 103 Methods of Sec. Spec. Educ Implementation	1	_____	_____

^ Students with EDUC 205 credit must take EDUC 206 to complete the EDUC 202 requirement.

SAMPLE FOUR-YEAR PLAN for the  
BACHELOR OF SCIENCE IN  
CHEMISTRY AND GENERAL SCIENCE SECONDARY EDUCATION CERTIFICATION

**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
MATH 161 Calculus I.....	4	MATH 162 Calculus II.....	4
PHYS 121 College Physics I*.....	4	PHYS 122 College Physics II*.....	4
WRIT 101 Foundations of Academic Discourse.....	3	HUMA 102 Civ and the Biblical Revelation.....	3
PHYE 100 Healthful Living.....	<u>1</u>	EDUC 202 Introduction to the Teaching Profession.....	<u>1</u>
	16		16

**Sophomore Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 227 Analytical Chemistry.....	4	CHEM 231 Descriptive Inorg/Bioinorganic Chemistry.....	2
CHEM 235 Chemistry in Context.....	1	CHEM 242 Organic Chemistry II.....	4
CHEM 241 Organic Chemistry I.....	4	EDUC 204 Technologies of Instruction.....	3
PSYC 102 Educational Psychology.....	3	EDUC 215 Secondary Curriculum & Instruction I.....	2
MATH 261 Calculus III.....	<u>4</u>	EDUC 371 Field Experience (Secondary).....	1
	16	HUMA 200 Western Civilization.....	3
		SSFT Course.....	<u>2</u>
			17

**Junior Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 345 Microscopic Physical Chemistry.....	4	CHEM 346 Macroscopic Physical Chemistry.....	4
CHEM 351 Biochemistry.....	4	GEOL 201 Geology or SCIC 204.....	3-4
EDUC 203 Culturally Relevant Pedagogy.....	3	SEDU 102 Exceptional Learners for 7-12 & K-12.....	2
HUMA 202 Civilization and Literature.....	3	SEDU 103 Methods of Sec. Spec. Educ. Implementation.....	1
HUMA 301 Civilization and the Arts.....	<u>3</u>	Foundations of Social Science Course.....	3
	17	HUMA 303 Christianity and Civilization.....	<u>3</u>
			16-17

**Senior Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
ASTR 206 Introduction to Sky Motions and Planets.....	3	EDUC 431 Student Teaching.....	<u>16</u>
CHEM 402 Tech. in Chem. Classroom/Lab Instruction....	2	(no other courses)	16
CHEM 488 Chemistry Seminar.....	1		
EDUC 317 Secondary Math/Scic Curriculum & Instructor	2		
EDUC 375 Secondary Field Experience - 3rd Level.....	1		
EDUC 488 Issues in Education/Comparative Education..	3		
SCIC 202 Life Science.....	<u>4</u>		
	16		

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

\*Students choosing to take PHYS 101 and 102 for their physics requirement should check with his/her advisor for schedule planning.