

# 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 Physics and General Science Secondary Education Certification Entering in 2024

(REVISED 05-14-2024)

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

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

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

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

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

TOTAL HOURS REQUIRED FOR THIS DEGREE-----	128 HOURS
General Education + Elective Requirements-----	30-31 HOURS

Minimum CQPA and MQPA required for graduation-----	2.00
Minimum QPAs required for certification-----	CQPA 3.00; MQPA 2.75
MQPA Courses-----	ASTR; PHYS; EDUC; SEDU 102, 103
Major Requirements-----	98-99 HOURS

GENERAL EDUCATION REQUIREMENTS-----	24 HOURS
<b>HUMANITIES CORE-----</b>	<b>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 _____

PHYSICS CORE REQUIREMENTS-----	26 HOURS
ASTR 207 Introduction to Stars, Galaxies, Cosmology	3 _____
PHYS 101 General Physics I - Engineering	4 _____
PHYS 102 General Physics II - Engineering	4 _____
PHYS 135 Horizons in Physics	1 _____
PHYS 210 Electronics <b>OR</b>	_____
ELEE 201 Linear Circuits I & ELEE 251 Lab Skills & Prototyping	4 _____
PHYS 234 Modern Physics	3 _____
PHYS 288 Intermediate Laboratory (WI)	2 _____
PHYS 321 Radiation Laboratory (SI/IL)	2 _____
PHYS 486 Physics Education Seminar	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 (WI/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 _____

TECHNICAL CORE REQUIREMENTS-----	26-27 HOURS
CHEM 105 Chemistry for Engineers	4 _____
COMP 141 Computer Programming I	3 _____
MATH 161 Calculus I	4 _____
MATH 162 Calculus II	4 _____
MATH 261 Calculus III	4 _____
BIOL 101 General Biology I <b>OR</b>	_____
SCIC 202 Life Science	4 _____
GEOL 201 Physical and Environmental Geology <b>OR</b>	_____
SCIC 204 Environmental Science	3-4 _____

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	_____
PSYC 101 Foundations of Psychology	_____
PSYC 200 Cross-Cultural Psychology	_____
SOCI 101 Foundations of Sociology	_____
SOCI 103 Found. of Cultural Anthr.	_____
SOCW 101 Found. of Social Work	_____
	3 _____

TECHNICAL ELECTIVES-----	6 HOURS
Choose six hours from any 300-level ASTR courses; BIOL 102; CHEM 112 and 114; any COMP course numbered 215 or higher (excluding COMP 260/360/460, 270/370/470, 290/390, 480, and 499); MATH 262; MECE 211, 212, 214; PHYS 242, 303, 305, 310, 340, 421, 431, any additional courses approved by the Dept. Chair. A maximum of three hours from PHYS 270, 370, and 470 may also count toward this requirement.	

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-----	5-6 HOURS
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

PROFESSIONAL EDUCATION REQUIREMENTS-----	40 HOURS
EDUC 102 Educational Psychology	3 _____
EDUC 202 <sup>A</sup> Introduction to the Teaching Profession (IL)	3 _____
EDUC 203 Culturally Relevant Pedagogy (IL)	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 450 Student Teaching (SI)	16 _____
EDUC 488 Issues in Education (WI/SI/IL)	3 _____
SEDU 102 Exceptional Learners for 7-12 & K-12	2 _____
SEDU 103 Methods of Sec. Spec. Educ Implementation	1 _____

<sup>A</sup> 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  
PHYSICS and GENERAL SCIENCE SECONDARY EDUCATION CERTIFICATION**

**Freshman Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
PHYS 101 General Physics I.....	4	PHYS 102 General Physics II.....	4
PHYS 135 Horizons in Physics.....	1	COMP 141 Computer Programming I.....	3
MATH 161 Calculus I.....	4	MATH 162 Calculus II.....	4
EDUC 102 Educational Psychology.....	3	WRIT 101 Foundations of Academic Discourse.....	3
HUMA 102 Civ and the Biblical Revelation.....	3	SSFT Course.....	<u>2</u>
PHYE 100 Healthful Living.....	<u>1</u>		16
	16		

**Sophomore Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
EDUC 202 Introduction to the Teaching Profession.....	3	PHYS 288 Intermediate Laboratory.....	2
EDUC 204 Technologies of Instruction.....	3	PHYS 234 Modern Physics.....	3
MATH 261 Calculus III.....	4	PHYS 242* Introduction to Theoretical Physics.....	3
HUMA 200 Western Civilization.....	3	ASTR 207 Introduction to Stars, Galaxies, & Cosmology.....	3
HUMA 202 Civilization and Literature.....	<u>3</u>	EDUC 203 Culturally Relevant Pedagogy.....	3
	16	EDUC 215 Secondary Curriculum & Instruction <sup>^</sup> .....	2
		EDUC 371 Secondary Field Experience - 1st Level <sup>^</sup> .....	<u>1</u>
		<sup>^</sup> EDUC 215 and 371 must be taken together	16

**Junior Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
BIOL 101 General Biology I <u>or</u> SCIC 202 Life Science....	4	PHYS 321 Radiation Laboratory.....	2
CHEM 105 Chemistry for Engineers.....	4	PHYS 486 Physics Education Seminar.....	3
EDUC 317 Secondary Math/Scic Curriculum & Instructor	2	GEOL 201 Phys./Env. Geology <u>or</u> SCIC 204 Env. Science....	3-4
EDUC 375 Secondary Field Experience (3rd Level).....	1	SEDU 102 Exceptional Learners for 7-12 & K-12.....	2
Foundations of Social Science Course.....	3	SEDU 103 Methods of Sec. Spec. Educ. Implementation.....	1
General Elective.....	<u>2</u>	HUMA 301 Civilization and the Arts.....	3
	16	General Electives.....	<u>2-3</u>
			16

**Senior Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
PHYS 210 or ELEE 201 & 251.....	4	EDUC 450 Student Teaching.....	<u>16</u>
Technical Elective.....	3		16
EDUC 488 Issues in Education.....	3		
HUMA 303 Christianity and Civilization.....	3		
General Elective.....	<u>3</u>		
	16		

\* Recommended Technical Elective.