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 Physics
Entering in 2025

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

(REVISED 02-21-2025)

Name: _____

ID# _____ **Date:** _____

Year of Anticipated Graduation: _____ **Advisor:** _____

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

General Education + Elective Requirements---------- 47 HOURS

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

MQPA Courses----------ASTR; PHYS

Major Requirements----------81 HOURS

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

HUMANITIES CORE---------- 18 HOURS

		Cr.	Sem. Taken	Grade
HUMA 100	The Humanities: Christian Wisdom	1		
HUMA 200	Western Civilization	3		
HUMA 202	Civilization and Literature	3		
HUMA 204	Civilization and the Arts	3		
HUMA 261	Scripture & Theology for the Chr. Life I	3		
HUMA 271	Scripture & Theology for the Chr. Life II	3		
HUMA 300	Gospel & the Good Life: Christian Ethics	2		

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

WRIT 101	Found. of Academic Discourse (WI/IL)	3		

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.

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

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GENERAL ELECTIVES---------- 21 HOURS

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PHYSICS CORE REQUIREMENTS---------- 32 HOURS

		Cr.	Sem. Taken	Grade
PHYS 101	General Physics I - Engineering	4		
PHYS 102	General Physics II - Engineering	4		
PHYS 135	Horizons in Physics	1		
PHYS 210	Electronics **OR**			
	ELEE 201 Linear Circuits I & ELEE 251 Lab Skills & Prototyping (IL)	4		
PHYS 234	Modern Physics	3		
PHYS 288	Intermediate Laboratory (WI)	2		
PHYS 303	Mechanics I	3		
PHYS 305	Electricity and Magnetism	3		
PHYS 321	Radiation Laboratory (SI/IL)	2		
PHYS 431	Quantum Mechanics	3		
ASTR 207	Intro to Stars, Galaxies, & Cosmology	3		

PHYSICS ELECTIVES---------- 12 HOURS

Choose 4 of the following 7 courses:

PHYS 304 Mechanics II, PHYS 310 Optics, PHYS 340 Thermodynamics & Statistical Mechanics, PHYS 401 Radiation & Health Physics or PHYS 402 Medical Imaging & Diagnostic Physics, PHYS 421 Advanced Topics, PHYS 442 Computational Methods in Physics.

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TECHNICAL CORE REQUIREMENTS (Science, Math, etc.)---------- 26 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		
MATH 262	Differential Equations	3		
MATH 263	Numerical Differential Equations	1		
PHYS 242	Introduction to Theoretical Physics	3		

TECHNICAL ELECTIVES---------- 11 HOURS

Any ASTR 300-level courses; any BIOL courses; CHEM 112 and 114; any CHEM 200- or 300-level courses; any COMP 200- or 300-level courses; any ELEE 200- or 300-level courses; any ENGR 200- or 300-level courses; any MATH 300-level courses; any MECE 200- or 300-level courses; PHYS 260, 270, 360, 370, 470; any course approved by the Department Chair.

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SAMPLE FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN PHYSICS

Freshman Year

Fall	Credits	Spring	Credits
PHYS 101 General Physics I	4	PHYS 102 General Physics II	4
PHYS 135 Horizons in Physics	1	ASTR 207 Introduction to Stars, Galaxies, & Cosmology	3
COMP 141 Computer Programming I	3	MATH 162 Calculus II	4
MATH 161 Calculus I	4	Writing Requirement	3
HUMA Course or General Elective	3	HUMA Course or General Elective	3
HUMA 100 The Humanities: Christian Wisdom	1		17
	16		

Sophomore Year

Fall	Credits	Spring	Credits
PHYS 210 or ELEE 201 & ELEE 251	4	PHYS 242 Introduction to Theoretical Physics	3
MATH 261 Calculus III	4	PHYS 234 Modern Physics	3
HUMA Course	3	PHYS 288 Intermediate Laboratory	2
SSFT Course	2	HUMA Course	3
General Electives	4	General Electives	6
	17		17

Junior Year

Fall	Credits	Spring	Credits
CHEM 105 Chemistry for Engineers	4	PHYS 321 Radiation Laboratory	2
PHYS 303 Mechanics I	3	PHYS 431 Quantum Mechanics	3
PHYS 305 Electricity & Magnetism	3	Physics Elective	3
Technical Electives	3	MATH 262 Differential Equations	3
HUMA Course	3	MATH 263 Numerical Differential Equations	1
	16	HUMA Course	3
			15

Senior Year

Fall	Credits	Spring	Credits
Physics Elective	3	Physics Electives	6
Technical Electives	4	Technical Electives	4
Foundations of Social Science Course	3	General Electives	5
HUMA 300 Gospel and the Good Life: Christian Ethics	2		15
General Electives	3		
	15		