

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/Computer with Hardware Option
Entering in 2026
 (REVISED 03-16-2026)

Name: _____

ID# _____

Year of Anticipated Graduation: _____

Date: _____

Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE----- 128 HOURS
General Education + Elective Requirements----- 41-42 HOURS

Minimum CQPA and MQPA required for graduation-----2.00
MQPA Courses-----ASTR; COMP; PHYS; ELEE; MATH 222
Major Requirements-----86-87 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	_____	_____
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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	PSYC 200 Cross-Cultural Psychology
HIST 120 Foundations of History	SOCW 101 Foundations of Social Work	
HIST 204 Historical & Phil. Found. of Education	SOCI 101 Foundations of Sociology	
POLS 101 Foundations of Political Science	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 212 Science, Faith, Technology, & Origins	
	2

GENERAL ELECTIVES----- 15-16 HOURS

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

PHYSICS CORE REQUIREMENTS----- 40 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 234 Modern Physics	3	_____	_____
PHYS 242 Introduction to Theoretical Physics	3	_____	_____
PHYS 288 Intermediate Laboratory (WI)	2	_____	_____
PHYS 303 Mechanics I	3	_____	_____
PHYS 321 Radiation Laboratory (SI/IL)	2	_____	_____
PHYS 442 Computational Methods in Physics	3	_____	_____
ASTR 207 Introduction to Stars, Galaxies, & Cosmology	3	_____	_____
COMP 141 Computer Programming I	3	_____	_____
ELEE 441 Computer Architecture	3	_____	_____
COMP 244 Database Management Systems	3	_____	_____
COMP 342 Data Communication and Networking	3	_____	_____

TECHNICAL ELECTIVES----- 6-7 HOURS

Choose TWO of the following:
 PHYS 304 Mechanics II, PHYS 305 Electricity and Magnetism; PHYS 340 Thermodynamics and Statistical Mechanics, PHYS 401 or 402 (Medical Physics), PHYS 421 Advanced Topics, PHYS 431 Quantum Mechanics, ASTR 310 Astrophysics, or MATH 213 Discrete Mathematics for Computer Science.

COMPUTER HARDWARE REQUIREMENTS----- 20 HOURS

COMP 220 Computer Programming II	3	_____	_____
ELEE 201 Linear Circuits I	3	_____	_____
ELEE 202 Linear Circuits II	3	_____	_____
ELEE 204 Digital Logic	3	_____	_____
ELEE 251 Lab Skills and Prototyping (IL)	1	_____	_____
ELEE 252 Digital Circuits Laboratory	1	_____	_____
ELEE 306 Design of Digital Systems.	3	_____	_____
ELEE 310 Microcontrollers	3	_____	_____

TECHNICAL CORE REQUIREMENTS (Science, Math, etc.)----- 20 HOURS

CHEM 105 Chemistry for Engineers	4	_____	_____
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	_____	_____

**SAMPLE FOUR-YEAR PLAN for the
BACHELOR OF SCIENCE IN
PHYSICS/COMPUTER with HARDWARE OPTION**

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 220 Computer Programming II.....	3
COMP 141 Computer Programming I.....	3	MATH 162 Calculus II.....	4
MATH 161 Calculus I.....	4	Writing Requirement or HUMA Course.....	<u>3</u>
HUMA 100 The Humanities: Christian Wisdom.....	1		14
Writing Requirement or HUMA Course.....	<u>3</u>		
	16		

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 105 Chemistry for Engineers.....	4	PHYS 288 Intermediate Laboratory.....	2
MATH 261 Calculus III.....	4	SSFT Course.....	2
Foundations of Social Science Course.....	3	PHYS 242 Introduction to Theoretical Physics.....	3
HUMA Course	3	ASTR 207 Introduction to Stars, Galaxies, & Cosmology.....	3
PHYS 234 Modern Physics.....	<u>3</u>	HUMA Course	3
	17	Electives*.....	<u>3</u>
			16

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
PHYS 303 Mechanics I.....	3	PHYS 442 Computational Methods in Physics**.....	3
COMP 244 Database Management Systems.....	3	ELEE 202 Linear Circuits II.....	3
ELEE 201 Linear Circuits I.....	3	ELEE 204 Digital Logic	3
ELEE 251 Lab Skills and Prototyping.....	1	ELEE 252 Digital Circuits Laboratory.....	1
HUMA Course	3	ELEE 441 Computer Architecture.....	3
Electives*.....	<u>3</u>	HUMA Course	<u>3</u>
	16		16

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 342 Data Communication and Networking.....	3	PHYS 321 Radiation Laboratory.....	2
HUMA 300 Gospel and the Good Life: Christian Ethics....	2	ELEE 306 Design of Digital Systems.....	3
Electives*.....	<u>12</u>	ELEE 310 Microcontrollers	3
	17	MATH 262 Differential Equations.....	3
		MATH 263 Numerical Differential Equations.....	1
		Electives*.....	<u>4</u>
			16

* 6-7 of these electives must be fulfilled by a Technical Elective course.

** The sequencing of MATH 262/263 and PHYS 442 may alternate because PHYS 442 is taught every other year.