

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

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

Name: _____

ID# _____

Year of Anticipated Graduation: _____

Date: _____

Advisor: _____

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

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

General Education + Elective Requirements-----38-40 HOURS

MQPA Courses-----ASTR; COMP; PHYS; ELEE; MATH 222

Major Requirements-----88-90 HOURS

GENERAL EDUCATION REQUIREMENTS----- 26 HOURS

PHYSICS CORE REQUIREMENTS----- 40 HOURS

	Cr.	Sem. Taken	Grade
HUMANITIES CORE----- 18 HOURS			
HUMA 100	1	_____	_____
HUMA 200	3	_____	_____
HUMA 202	3	_____	_____
HUMA 204	3	_____	_____
HUMA 261	3	_____	_____
HUMA 271	3	_____	_____
HUMA 300	2	_____	_____

	Cr.	Sem. Taken	Grade
PHYS 101	4	_____	_____
PHYS 102	4	_____	_____
PHYS 135	1	_____	_____
PHYS 234	3	_____	_____
PHYS 242	3	_____	_____
PHYS 288	2	_____	_____
PHYS 303	3	_____	_____
PHYS 321	2	_____	_____
PHYS 442	3	_____	_____
ASTR 207	3	_____	_____
COMP 141	3	_____	_____
COMP 244	3	_____	_____
COMP 342	3	_____	_____
COMP 424	3	_____	_____

WRITING REQUIREMENT----- 3 HOURS

WRIT 101	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
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.
		3	_____

TECHNICAL ELECTIVES----- 3 HOURS

Choose ONE of the following:

PHYS 304	Mechanics II, PHYS 305 Electricity and Magnetism; PHYS 340 Thermodynamics and Statistical Mechanics, PHYS 421 Advanced Topics, PHYS 431 Quantum Mechanics, ASTR 310 Astrophysics.	3	_____
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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)	_____

COMPUTER SOFTWARE REQUIREMENTS-----25-27 HOURS

COMP 220	Computer Programming II	3	_____
COMP 222	Introduction to Data Structures/Algorithms	3	_____
COMP 325	Computer Architecture and Organization	3	_____
COMP 340	Operating Systems	3	_____
COMP 350	Software Engineering (WI/SI)	3	_____
PHYS 210	Electronics OR		
	ELEE 201 Linear Circuits I & ELEE 251 Lab Skills & Prototyping	4	_____

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	_____

Choose TWO of the following (6-8 hours):
 ELEE 204; COMP 480 or PHYS 270/370/470 (Limit 3 hrs); COMP 314 or any 400-level COMP course; MATH 213*, 222*.

GENERAL ELECTIVES----- 12-14 HOURS

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

*If you complete MATH 213 and 222, you will receive a minor in Mathematics.

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 SOFTWARE 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.....	3
Writing Requirement or HUMA Course.....	3	Electives*.....	<u>2-3</u>
HUMA 100 The Humanities: Christian Wisdom.....	<u>1</u>		15
	16		

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 105 Chemistry for Engineers.....	4	SSFT Course.....	2
MATH 213 Discrete Mathematics for Comp. Science***... 3-4	3-4	PHYS 242 Introduction to Theoretical Physics.....	3
MATH 261 Calculus III.....	4	PHYS 288 Intermediate Laboratory.....	2
HUMA Course	3	ASTR 207 Introduction to Stars, Galaxies, & Cosmology.....	3
PHYS 234 Modern Physics.....	<u>3</u>	HUMA Course	3
	17-18	Electives*.....	<u>3</u>
			16

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
PHYS 210 or ELEE 201 & 251.....	4	PHYS 321 Radiation Laboratory.....	2
PHYS 303 Mechanics I.....	3	PHYS 442 Computational Methods in Physics**.....	3
COMP 222 Data Structures and Algorithms.....	3	COMP 342 Data Communication and Networking.....	3
Technical Elective.....	3	COMP 424 Parallel and Distributed Computing.....	3
HUMA Course	<u>3</u>	HUMA Course	3
	16	Electives*.....	<u>3</u>
			17

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 244 Database Management Systems.....	3	COMP 340 Operating Systems.....	3
COMP 325 Computer Architecture and Organization.....	3	COMP 350 Software Engineering.....	3
Foundations of Social Science Course.....	3	MATH 262 Differential Equations.....	3
HUMA 300 Gospel and the Good Life: Christian Ethics....	2	MATH 263 Numerical Differential Equations.....	1
Electives*.....	<u>4-5</u>	Electives*.....	<u>5</u>
	15-16		15

* 3-4 credits will be fulfilled by a Computer Software Requirement choice.

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

*** Recommended Computer Software Requirement selection.