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 Computer Science
Entering in 2025

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

(REVISED 03-04-2025)

Name: _____

ID# _____ **Date:** _____

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

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

General Education + Elective Requirements----------38-41 HOURS

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

MQPA Courses----------COMP; DSCI; MATH 213

Major Requirements----------87-90 HOURS

GENERAL EDUCATION REQUIREMENTS---------- 24 HOURS

		Cr.	Sem. Taken	Grade
HUMANITIES CORE---------- 18 HOURS				
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.

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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)

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY ---------- 0 HOURS

College requirements met through major-related coursework

GENERAL ELECTIVES----------14-17 HOURS

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COMPUTER SCIENCE CORE REQUIREMENTS---------- 27 HOURS

COMP 141	Computer Programming I	3		
COMP 155	Introduction to Computer Science	3		
COMP 220	Computer Programming II	3		
COMP 222	Intro. to Data Structures & Algorithms	3		
COMP 230	Advanced Programming	3		
COMP 244	Database Management Systems	3		
COMP 314	Automata Theory	3		
COMP 325	Computer Architecture & Organization	3		
COMP 342	Data Communication & Networking	3		

ADVANCED COMPUTER CORE REQUIREMENTS---------- 25 HOURS

COMP 205	Ethics, Faith, and the Conscious Mind (IL)	3		
COMP 340	Operating Systems	3		
COMP 350	Software Engineering (WI/SI)	3		
COMP 422	Theory of Algorithms	3		
COMP 424	Parallel and Distributed Computing	3		
COMP 448	Computer Security	3		
COMP 451	Senior Project I (IL)	3		
COMP 452	Senior Project II (WI/SI/IL)	4		

COMPUTER SCIENCE ELECTIVES---------- 15 HOURS

Choose fifteen hours from the following courses:

COMP 390 Selected Topics in Computer Science, COMP 401 Principles of iOS Programming, COMP 402 Principles of Android Programming, COMP 435 Intro to Machine Learning, COMP 441 2D Game Design/Development, COMP 442 Web Programming Technologies, COMP 445 Intro to Artificial Intelligence, COMP 446 3D Game Design/Development, COMP 447 Networked Game Design and Development, COMP 475 Advanced Security, DSCI 431 Intro to Big Data , DSCI 450 Applied Modeling and Visualization, or ROBO 302 Mobile Robotics.

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MATH / SCIENCE CORE REQUIREMENTS----------20-23 HOURS

MATH 161	Calculus I	4		
MATH 162	Calculus II	4		
MATH 213	Discrete Mathematics for Comp. Science	4		
MATH 214	Applied Probability and Linear Algebra	4		
OR				
MATH 222	Linear Algebra **AND**	4		
STAT 331	Theory of Statistics I	3		

Choose four credits from PHYS 101; PHYS 102; PHYS 121; PHYS 122; CHEM 105; CHEM 111 and 113; CHEM 112 and 114; BIOL 101; or BIOL 102.

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

Freshman Year

Fall	Credits	Spring	Credits
COMP 141 Computer Programming I	3	COMP 220 Computer Programming II	3
COMP 155 Introduction to Computer Science	3	MATH 162 Calculus II	4
MATH 161 Calculus I	4	HUMA Course	3
Science Elective	4	Writing Requirement	3
HUMA 100 The Humanities: Christian Wisdom	1	Foundations of Social Science Course	3
	15		16

Sophomore Year

Fall	Credits	Spring	Credits
COMP 222 Introduction to Data Structures & Algorithms	3	COMP 205 Ethics, Faith, and the Conscious Mind	3
COMP 244 Database Management	3	COMP 230 Advanced Programming Parallel Computing	3
MATH 213 Discrete Mathematics for Comp. Science	4	COMP 342 Data Communication & Networking	3
HUMA Course	3	MATH 214 Applied Probability & Linear Algebra	4
General Electives	3	HUMA Course	3
	16		16

Junior Year

Fall	Credits	Spring	Credits
COMP 325 Computer Architecture & Organization	3	COMP 314 Automata Theory	3
COMP 422 Theory of Algorithms	3	COMP 340 Operating Systems	3
Computer Science Elective	3	COMP 350 Software Engineering	3
Computer Science Elective	3	Computer Science Elective	3
HUMA Course	3	HUMA Course	3
General Electives	2		15
	17		

Senior Year

Fall	Credits	Spring	Credits
COMP 448 Computer Security	3	COMP 424 Parallel and Distributed Computing	3
COMP 451 Senior Project I	3	COMP 452 Senior Project II	4
Computer Science Elective	3	Computer Science Elective	3
HUMA 300 Gospel and the Good Life: Christian Ethics	2	General Electives	6
General Electives	6		16
	17		

*Note: Students must work with their advisor during their sophomore year to create a plan for their computer science electives, since some electives are only offered in alternate years and require certain prerequisites.