

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.A. in Computer Science Entering in 2020

(REVISED 03-01-2020)

Name: _____

ID#: _____

Year of Anticipated Graduation: _____

Date: _____

Advisor: _____

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

General Education + Elective Requirements----- 66-68 HOURS

GENERAL EDUCATION REQUIREMENTS----- 36 HOURS

HUMANITIES CORE----- 15 HOURS

	Cr.	Sem.	Grade
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	_____	_____

*The year-long sequence of RELI 211 and 212 may substitute for this course.

WRITING REQUIREMENT----- 3 HOURS

WRIT 101 Found. of Academic Discourse (IL)	3	_____	_____
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STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT)----- 0 HOURS

College requirements met through major-related coursework.

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 141 World Geography	SOCI 101 Foundations of Sociology
HIST 204 Hist/Phil Foundations of Education	SOCI 103 Found. of Cultural Anthr.
POLS 101 Foundations of Political Science	SOCW 101 Found. of Social Work

_____ 3 _____

QUANTITATIVE/LOGICAL REASONING----- 0 HOURS

College requirements met through major-related coursework.

NATURAL SCIENCES (with labs)----- 8 HOURS

Refer to the *Bulletin* - General Education section - for requirements.

_____	4	_____	_____
_____	4	_____	_____

PHYSICAL EDUCATION----- 1 HOURS

PHYE 100 Healthful Living	1	_____	_____
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FOREIGN LANGUAGE, INTERMEDIATE LEVEL----- 6 HOURS*

Refer to the *Bulletin* for requirement details, exceptions, and the Classical Language policy.

_____	3	_____	_____
_____	3	_____	_____

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

MQPA Courses-----COMP; MATH 118; MATH 213

Major Requirements-----60-62 HOURS

COMPUTER SCIENCE CORE REQUIREMENTS----- 35 HOURS

COMP 141 Computer Programming I	3	_____	_____
COMP 155 Introduction to Computer Science	3	_____	_____
COMP 205 Ethics, Faith, and the Conscious Mind (IL)	3	_____	_____
COMP 220 Computer Programming II	3	_____	_____
COMP 222 Intro. to Data Structures & Algorithms	3	_____	_____
COMP 233 Parallel Computing	3	_____	_____
COMP 244 Database Management Systems	3	_____	_____
COMP 325 Computer Architecture & Organization	3	_____	_____
COMP 340 Operating Systems OR			
COMP 342 Data Communication & Networking	3	_____	_____
COMP 350 Software Engineering (WI, SI, IL)	3	_____	_____
COMP 451 Senior Project I (IL)	2	_____	_____
COMP 452 Senior Project II (WI, SI, IL)	3	_____	_____

COMPUTER SCIENCE ELECTIVES----- 15 HOURS

Choose fifteen hours from any 300- or 400-level Computer Science or Data Science courses or ROBO 302.

_____	3	_____	_____
_____	3	_____	_____
_____	3	_____	_____
_____	3	_____	_____
_____	3	_____	_____

MATH REQUIREMENTS-----10-12 HOURS

MATH 118 Finite Mathematics **or** MATH 213 Discrete Mathematics for Computer Science.

_____ 3 - 4 _____

One of the following: Mathematics 201, 214, 331, Management 201, or Psychology 201.

_____ 3 - 4 _____

MATH 141 Business Calculus **or** MATH 161 Calculus I

_____ 4 _____

GENERAL ELECTIVES-----30-32 HOURS (*36-38 hours if language requirement waived)

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

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

Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 141 Computer Programming I.....	3	COMP 220 Computer Programming II.....	3
COMP 155 Introduction to Computer Science.....	3	Foreign Language or General Elective*.....	3
Foreign Language or General Elective*.....	3	Natural Science with Lab.....	4
Natural Science with Lab.....	4	WRIT 101 Foundations of Academic Discourse.....	3
HUMA 102 Civ and the Biblical Revelation.....	3	PHYE 100 Healthful Living.....	1
	<u>16</u>	Foundations of Social Science Course.....	<u>3</u>
			17

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 222 Introduction to Data Structures & Algorithms.....	3	COMP 205 Ethics, Faith, and the Conscious Mind.....	3
COMP 244 Database Management.....	3	COMP 233 Parallel Computing.....	3
MATH 118 Finite Mathematics.....	3	General Electives.....	3
HUMA 200 Western Civilization.....	3	MATH 141 Business Calculus.....	4
General Electives.....	3	HUMA 202 Civilization and Literature.....	<u>3</u>
General Electives.....	<u>1</u>		16
	16		

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 325 Computer Architecture & Organization.....	3	General Electives.....	3
PSYC 201, MATH 201, or MNGT 201 Stat. Methods.....	3	COMP 342 Data Comm. & Networking; or COMP 340 OS.....	3
Computer Science Elective.....	3	COMP 350 Software Engineering.....	3
General Electives.....	3	Computer Science Elective.....	3
HUMA 301 Civilization and the Arts.....	3	Computer Science Elective.....	3
General Electives.....	<u>2</u>	General Electives.....	<u>1</u>
	17		16

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
General Electives.....	3	General Electives.....	3
COMP 451 Senior Project I.....	2	COMP 452 Senior Project II.....	3
Computer Science Elective.....	3	Computer Science Elective.....	3
HUMA 303 Christianity and Civilization.....	3	General Electives.....	3
General Electives.....	3	General Electives.....	<u>3</u>
General Electives.....	<u>1</u>		15
	15		

*Note: No college credits are earned when a student receives a language waiver. When a waiver is earned, the credits currently assigned to foreign language study must be fulfilled through general electives of the student's choosing.

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.