

# 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 2021

(REVISED 03-01-2021)

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**

	Cr.	Sem.	Taken	Grade
<b>HUMANITIES CORE----- 15 HOURS</b>				
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	Found. of Psychology
HIST 120	Foundations of History	PSYC 200	Cross-Cultural Psyc.
HIST 141	World Geography	SOCI 101	Found. 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.

Note: Completion of a modern language through the intermediate (201-202) level fulfills this requirement.

Should the elementary (101-102) level be needed in preparation for the 201-202 courses, this requirement will use 6 general elective credits in addition to the six credits for the requirement.

_____	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 <b>OR</b>			
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	_____	_____
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One of the following: Mathematics 201, 214, 331, Management 201, or Psychology 201.

_____	3 - 4	_____	_____
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MATH 141 Business Calculus **or** MATH 161 Calculus I

_____	4	_____	_____
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**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	MATH 141 Business Calculus.....	4
HUMA 200 Western Civilization.....	3	HUMA 202 Civilization and Literature.....	3
General Electives.....	<u>4</u>	General Electives.....	<u>3</u>
	16		16

## Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 325 Computer Architecture & Organization.....	3	COMP 342 Data Comm. & Networking; or COMP 340 OS.....	3
PSYC 201, MATH 201, or MNGT 201 Stat. Methods.....	3	COMP 350 Software Engineering.....	3
Computer Science Elective.....	3	Computer Science Elective.....	3
HUMA 301 Civilization and the Arts.....	3	Computer Science Elective.....	3
General Electives.....	<u>5</u>	General Electives.....	<u>4</u>
	17		16

## Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
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.....	<u>9</u>
General Electives.....	<u>7</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.