## 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 Data Science Entering in 2022

(REVISED 08-1-2022)

ID#		Date:			
Year of Anticipated Graduation:		Advisor:			
TOTAL HOURS REQUIRED FOR THIS DEGREE		MQPA Cour	QPA and MQPA required for graduation		See Bulletin
General Education + Elective Requirements	57-61 HOURS	Major Requi	rements		67-71 HOURS
GENERAL EDUCATION REQUIREMENTS	Sem. Taken Grade15 HOURS	DSCI 201 DSCI 431 DSCI 450	Intro. to Data Science Introduction to Big Data Applied Modeling and Visualization  CIENCE REQUIREMENTS- Computer Programming I Introduction to Computer Science Computer Programming II	3 3 3 ————————————————————————————————	
WRIT 101 Found. of Academic Discourse (IL) 3	3 HOURS	COMP 222 COMP 244 COMP 435	Intro. to Data Structures & Algorithms Database Management Systems Intro. to Machine Learning	3 3 ———	
STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT)  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  SSFT 210 Science & Religion  SSFT 212 Science, Faith, Technology, & Origins		Choose 3 hou	LECTIVE rs from COMP 233, 445, MNGT 310, 314, or Sta  ATISTICS REQUIREMENTS	34	22 HOURS
FOUNDATIONS OF THE SOCIAL SCIENCES  Choose one course from the following:  ECON 120 Foundations of Economics PSYC  HIST 120 Foundations of History PSYC	2 HOURS C 101 Found. of Psychology C 200 Cross-Cultural Psyc. I 101 Found. of Sociology	MATH 213 MATH 214 STAT 132 Choose one o	Discrete Mathematics for Comp. Science Applied Probability and Linear Algebra* Statistical Methods II f STAT 131 or PSYC 201 TH 222 and STAT 331 may substitute for MATH	3	
HIST 204 Hist/Phil Foundations of Education SOCI	I 103 Found. of Cultural Anthr. W 101 Found. of Social Work	Behavioral ar  Economics : EC  Exercise Science Political Science Psychology : Ps	CENTRATION (choose one area):  Ind Social Sciences (complete one set of courting to the set of sourting to the set of sourting to the set of sourting to the set of set of the set of the set of set of the set o	ses): CON courses. rses (excl. 305), and 6 400 level POLS course and 6 hours of addition	hours of any EXER courses. ss. al PSYC courses (excl. 201).
NATURAL SCIENCES (with labs)  Refer to the Bulletin - General Education section - for requirement of the section - for requirement -		Sociology: SOI Business (co Accounting: AC Business: ACC Entrepreneursh Finance: ACCT	CI 101, 377, 473, and six hours from 300-400 level SOC mplete one set of courses): CCT 201, 202, 301, 321, and 405. CT 201, 202, FNCE 301, MNGT 103, and MARK 104.  10: ACCT 201, ENTR 101, 102, 201, FNCE 301, and tw  10: 201, 202, FNCE 301, 332, 440, and three hours from 3	o hours from 300-400	level ENTR courses.
PHYSICAL EDUCATION	1 HOUR	Marketing: STA Natural Scien Biology: BIOL	MNGT 103, 457, 475, and 6 hours from 300-400 level M AT 131, MARK 104, 315, 411, 415, and 419. ce (complete one set of courses): 101, 102, 233, 234, and three hours from 300-400 level EM 111 and 113, or 105; 112 and 114, 227, 241, and thr	BIOL courses.	Dilevel CHEM courses.
GENERAL ELECTIVES	25-29 HOURS	Physics: PHYS	5 101, 102, 135, 234, and three hours from 300-400 leve	3333333333	

## SUGGESTED FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN DATA SCIENCE

## Freshman Year

<u>Fall</u>	Credits	<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	MATH 162 Calculus II	4
MATH 161 Calculus I	4	Natural Science with Lab	4
Natural Science with Lab	4	WRIT 101 Foundations of Academic Discourse	3
HUMA 102 Civ and the Biblical Revelation	<u>3</u>	PHYE 101 Healthful Living	<u>1</u>
	17		15
	So	phomore Year	
<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 244 Database Management	3	DSCI 201 Introduction to Data Science	3
MATH 213 Discrete Mathematics for Comp. Science	4	MATH 214 Applied Probability & Linear Algebra	4
STAT 131 Statistical Methods I	3	STAT 132 Statistical Methods II	3
Domain Emphasis Course	3	Domain Emphasis Course	3
Foundations of Social Science Course	3	HUMA 200 Western Civilization	<u>3</u>
General Electives	<u>1</u>		16
	17		
		Junior Year	
<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 222 Introduction to Data Structures & Algorithms 3		COMP 435 Machine Learning	3
Domain Emphasis Course		Domain Emphasis Course	3
HUMA 202 Civilization and Literature	3	HUMA 301 Civilization and the Arts	•
SSFT course		Technical Elective	3
General Electives	<del>-</del>	General Electives	_
	17		16
		Senior Year	
<u>Fall</u>	<u>Credits</u>	Spring Spring	<u>Credits</u>
Domain Emphasis Course		DSCI 431 Intro to Big Data	
HUMA 303 Christianity and Civilization		DSCI 450 Applied Modeling and Visualization	
General Electives	_	General Electives	_
	15		15

\*Note: Students must work with their advisor during their freshman year to create a plan for their domain emphasis.