

# 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 Applied Statistics Entering in 2025

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

(REVISED 02-21-2025)

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**

**MQPA Courses-----MATH; STAT  
(excluding MATH 110, 111, 115, 118, 119, 141, 151, 152, 237, and 240)**

**Major Requirements----- 70-74 HOURS**

**General Education + Elective Requirements----- 54-58 HOURS**

**GENERAL EDUCATION REQUIREMENTS----- 30 HOURS**

**MATH CORE REQUIREMENTS-----40-41 HOURS**

**HUMANITIES CORE----- 18 HOURS**

		Cr.	Sem. Taken	Grade
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	_____	_____

**Cr. Sem. Taken Grade**

MATH 125	Experimental Mathematics	3	_____	_____
MATH 161	Calculus I	4	_____	_____
MATH 162	Calculus II	4	_____	_____
MATH 210	Combinatorics <b>OR</b>			
MATH 213	Discrete Mathematics for Computer Science	3 - 4	_____	_____
MATH 222	Linear Algebra	4	_____	_____
MATH 261	Calculus III	4	_____	_____
STAT 131	Statistical Methods	3	_____	_____
STAT 132	Advanced Statistical Methods	3	_____	_____
STAT 331	Theory of Statistics I	3	_____	_____
STAT 332	Theory of Statistics II	3	_____	_____
STAT 412	Data Analysis Research Methods (W/SI/IL)	3	_____	_____
STAT 414	Advanced Analytical Methods	3	_____	_____

**WRITING REQUIREMENT----- 3 HOURS**

WRIT 101	Found. of Academic Discourse (W/IL)	3	_____	_____
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**COMPUTER SCIENCE CORE REQUIREMENTS----- 12 HOURS**

COMP 141	Computer Programming I	3	_____	_____
COMP 220	Computer Programming II	3	_____	_____
COMP 244	Database Management Systems	3	_____	_____
DSCI 431	Introduction to Big Data	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.

**NATURAL SCIENCE (with lab)/ QUANTITATIVE/LOGICAL REASONING---- 4 HOURS**

(1) Natural Science with lab	4	_____	_____
(2) Quantitative/Logical Reasoning	3-4	(Met through major)	_____
(3) Third course in Natural Science, Quantitative or Logical Reasoning	3-4	(Met through major)	_____

**MATH ELECTIVE----- 3 HOURS**

Choose one MATH course 300 or higher excluding 305, 306, 307 and MATH 488	3	_____	_____
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**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 210	Science & Religion		
SSFT 212	Science, Faith, Technology, & Origins		
		2	_____

**APPLICATION CONCENTRATION-----15-18 HOURS**

Complete one set of courses:  
 Biology: BIOL 101, 102, 233, 234, and three hours from 300-400 level BIOL courses  
 Chemistry: CHEM 111 and 113 or 105: 112 and 114, 227, 241 and 3 hours from 300-400 level CHEM Courses  
 Computer Science: COMP 155, DSCI 201, COMP 435, and 6 hours additional COMP courses at 200 - level or higher  
 Exercise Science: EXER 101 and six hours from 300-400 level EXER courses (excl: 305) and 6 hours of EXER courses.  
 Physics: PHYS 101, 102, 135, 234 and 3 hours from 300-400 level PHYS courses  
 Political Science: POLS 104, 201, 204 or 205, and six hours from 300-400 level POLS courses  
 Psychology: PSYC 101, six hours from 300-400 level PSYC courses and 6 hours of additional PSYC courses (excl: 201)  
 Social Work: SOCW 101, 264, 342, 382, and 3 hours from SOCW 300-400 level courses  
 Sociology: SOCI 101, 377, 473, and six hours from 300-400 level SOCI courses

**GENERAL ELECTIVES-----24-28 HOURS**

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

The completion of a minor or major in science, engineering, exercise science or social science will count as a concentration. (Minors or majors in Math and Computer Science do not count as a concentration.)

# SAMPLE FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN APPLIED STATISTICS

## Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 125 Experimental Mathematics .....	3	MATH 162 Calculus II.....	4
MATH 161 Calculus I.....	4	COMP 141 Computer Programming I.....	3
STAT 131 Statistical Methods.....	3	STAT 132 Advanced Statistical Methods.....	3
Writing Requirement or HUMA Course .....	3	Writing Requirement or HUMA Course .....	3
General Elective.....	2	General Elective.....	<u>3</u>
HUMA 100 The Humanities: Christian Wisdom.....	<u>1</u>		16
	16		

## Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 210 <u>or</u> MATH 213.....	3-4	MATH 222 Linear Algebra.....	4
MATH 261 Calculus III.....	4	HUMA Course .....	3
COMP 220 Computer Programming II.....	3	Natural Science with Lab or General Elective.....	4
HUMA Course .....	3	SSFT Course.....	2
Concentration or General Elective.....	<u>3</u>	Concentration or General Elective.....	<u>3</u>
	16		16

## Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
STAT 331 Theory of Statistics I.....	3	STAT 332 Theory of Statistics II.....	3
COMP 244 Database Mangement Systems.....	3	DSCI 431 Introduction to Big Data.....	3
HUMA Course .....	3	HUMA Course .....	3
Foundations of Social Science Course.....	3	Natural Science with Lab or General Elective.....	4
Concentration or General Elective.....	<u>4</u>	Concentration or General Elective.....	<u>3</u>
	16		16

## Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
STAT 412 Data Analysis Research Methods.....	3	STAT 414 Advanced Analytics Methods.....	3
MATH Elective or General Elective.....	3	MATH Elective or General Elective.....	3
HUMA 300 Gospel and the Good Life: Christian Ethics....	2	Concentration or General Electives.....	<u>10</u>
Concentration or General Electives.....	<u>8</u>		16
	16		

**A total of at least 128 credits of coursework are required for graduation.**