

# 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 Applied Statistics Entering in 2023

(REVISED 04-04-2023)

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, 118, 119, 141, 151, 152, 237, and 240)

**Major Requirements----- 66-70 HOURS**

**General Education + Elective Requirements-----58-62 HOURS**

**GENERAL EDUCATION REQUIREMENTS----- 38 HOURS**

**HUMANITIES CORE----- 15 HOURS**

		Cr.	Sem. Taken	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)----- 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

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**FOUNDATIONS OF THE SOCIAL SCIENCES----- 3 HOURS**

Choose one course from the following:

ECON 120 Foundations of Economics

HIST 120 Foundations of History

HIST 141 World Geography

HIST 204 Hist/Phil Foundations of Education

POLS 101 Foundations of Political Science

PSYC 101 Foundations of Psychology

PSYC 200 Cross-Cultural Psychology

SOCI 101 Foundations of Sociology

SOCI 103 Found. of Cultural Anthr.

SOCW 101 Found. of Social Work

_____	_____	3	_____	_____
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**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.

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**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.

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_____	_____	3	_____	_____
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**GENERAL ELECTIVES-----20-24 HOURS (\*26-30 hours if language requirement waived)**

**MATH CORE REQUIREMENTS-----36-37 HOURS**

MATH 161 (IL) is not required; however, proficiency in the material contained in it is a prerequisite for MATH 162.

		Cr.	Sem. Taken	Grade
MATH 125	Mathematical Computing	3	_____	_____
MATH 162	Calculus II (IL)	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 (IL)	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 (WI/SI)	3	_____	_____
STAT 414	Advanced Analytical Methods	3	_____	_____

**COMPUTER SCIENCE CORE REQUIREMENTS----- 12 HOURS**

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

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

Choose one MATH course 300 or higher excluding 305, 306, 307 and MATH 488

_____	_____	3	_____	_____
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**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

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 Mathematical Computing .....	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
HUMA 102 Civ and the Biblical Revelation.....	3	WRIT 101 Foundations of Academic Discourse.....	3
*Foreign Language or General Elective.....	3	*Foreign Language or General Elective.....	<u>3</u>
PHYE 100 Healthful Living.....	1		16
	17		

## 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 202 Civilization and Literature.....	3
COMP 220 Computer Programming II.....	3	Natural Science with Lab.....	4
HUMA 200 Western Civilization.....	3	SSFT Course.....	2
*Foreign Language or General Elective.....	<u>3</u>	*Foreign Language 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 303 Christianity and Civilization.....	3	HUMA 301 Civilization and the Arts.....	3
Foundations of Social Science Course.....	4	Natural Science with Lab.....	4
Concentration or General Elective.....	<u>3</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	Concentration or General Electives.....	<u>12</u>
Concentration or General Electives.....	<u>11</u>		15
	16		

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

\*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.