

# 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 Mathematics with Concentration in Actuarial Science Entering in 2021

(REVISED 01-01-2021)

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**

**(excluding MATH 110, 111, 118, 119, 141, 151, 152, 201, 237, and 240)**

**Major Requirements-----55-60 HOURS**

**General Education + Elective Requirements-----68-73 HOURS**

**GENERAL EDUCATION REQUIREMENTS-----34 HOURS**

**MATH CORE REQUIREMENTS-----30-31 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			
	2	_____	_____

**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)-----4 HOURS**

PHYS 121 and 122 together satisfy this requirement OR

PHYS 101 and one additional lab science course satisfy this requirement.

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

	4	_____	_____
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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.

	3	_____	_____
	3	_____	_____

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 162 Calculus II (IL)	4	_____	_____
MATH 210 Combinatorics <b>OR</b>			
MATH 213 Discrete Mathematics for Comp. Science	3 - 4	_____	_____
MATH 222 Linear Algebra	4	_____	_____
MATH 261 Calculus III (IL)	4	_____	_____
MATH 306 Actuarial Mathematics*	1	_____	_____
MATH 331 Theory of Statistics I	3	_____	_____
MATH 332 Theory of Statistics II	3	_____	_____
MATH 421 Abstract Algebra	3	_____	_____
MATH 465 Classical Analysis	3	_____	_____
MATH 488 Seminar in Mathematics (WI) (SI) (IL)	2	_____	_____

\*Waived for students who have passed the first actuarial exam.

**MATH ELECTIVES-----6 HOURS**

Complete two of the following: MATH 232, 262, 303, 365, 422, 466, or 467. At least one course must be 300-level or higher.

	3	_____	_____
	3	_____	_____

**MAJOR-RELATED REQUIREMENTS-----19-23 HOURS**

ACCT 201 Principles of Accounting I	3	_____	_____
MNGT 433 Risk and Insurance	3	_____	_____
FNCE 301 Principles of Finance	3	_____	_____
FNCE 332 Investments <b>OR</b>			
FNCE 334 Investment Valuation	3	_____	_____
COMP 141 Computer Programming I (IL)	3	_____	_____
PHYS 101 General Physics I	4	_____	_____
<b>OR</b>			
PHYS 121 College Physics I <b>AND</b>	4	_____	_____
PHYS 122 College Physics II	4	_____	_____

**GENERAL ELECTIVES-----34-39 HOURS (\*40-45 hours if language requirement waived)**

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

SAMPLE FOUR-YEAR PLAN for the  
BACHELOR OF SCIENCE IN  
MATHEMATICS with CONCENTRATION IN ACTUARIAL SCIENCE

**Freshman Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 161 Calculus I.....	4	MATH 162 Calculus II.....	4
ACCT 201 Principles of Accounting I.....	3	Foundations of Social Science Course.....	3
COMP 141 Computer Programming I.....	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.....	3	General Elective.....	<u>3</u>
PHYE 100 Healthful Living.....	<u>1</u>		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	PHYS 101 General Physics I.....	4
HUMA 200 Western Civilization.....	3	SSFT Course.....	2
HUMA 202 Civilization and Literature.....	3	*Foreign Language or General Elective.....	3
*Foreign Language or General Elective.....	<u>3</u>	General Elective.....	<u>3</u>
	16		16

**Junior Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 331 Theory of Statistics I.....	3	MATH 306 Actuarial Mathematics (Gen. Elec if course waived)..	1
MATH 421 Abstract Alg. or 465 Classical Analysis.....	3	MATH 332 Theory of Statistics II.....	3
FNCE 301 Principles of Finance.....	3	MATH 421 Abstract Alg. or MATH 465 Classical Analysis.....	3
HUMA 301 Civilization and the Arts.....	3	MNGT 433 Risk and Insurance.....	3
General Electives.....	<u>4</u>	HUMA 303 Christianity and Civilization.....	3
	16	Natural Science with Lab.....	<u>4</u>
			17

**Senior Year**

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 488 Seminar in Mathematics or General Elec.....	2	MATH 488 Seminar in Mathematics or General Elective.....	2
FNCE 332 Investments.....	3	MATH Elective.....	3
MATH Elective.....	3	General Electives.....	<u>10</u>
General Electives.....	<u>7</u>		15
	15		

**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.