

MATHEMATICS MAJOR - B.A.

Primary Faculty, Rockland: Dr. In Hak Moon, Frederick Stoppelkamp

The Mathematics major at Nyack College is designed for those interested in learning how to describe many relationships in our world and universe through the tools of mathematics. Besides deepening students' understanding of mathematical concepts, this pursuit will sharpen organizational and analytical skills and improve students' abilities in applying mathematics in a variety of areas. This major will prepare students for careers in business, government, and industry, and mathematics education. The program also will prepare students wishing to study at the graduate level in mathematics and other related areas. Students are encouraged to blend computer science studies into their major to equip themselves further for the needs of society.

126 credit hours, distributed as follows, are required for the Bachelor of Arts degree:

Liberal Arts and Science Core Component	49*
*Foreign Language Component (12 credits)	
2 years (4 semesters) of the same language	
Bible and Ministry Minor Curriculum	15
Major Field Component (36 credits)	
MAT 236 - Calculus I.....	3
MAT 237 - Calculus II.....	3
MAT 238 - Calculus III	3
MAT 310 - Linear Algebra.....	3
MAT 330 - Probability and Statistics	3
MAT 345 - Discrete Mathematics	3
MAT 401 - Differential Equations	3
MAT 470 - Math Seminar	3
MAT-Electives.....	9
Worldview elective	3
Miscellaneous Elective Component (26 credits)	
Miscellaneous electives.....	26
Total credits required	126

Mathematics Major Suggested Program Plan

FIRST YEAR: Fall

PMN 101-Intro to Spiritual Form. .	2
INT 112-Found. for Excellence	2
ENG 101-College Writing I	3
HIS 113-Hist. of World Civ. I.....	3
MAT-Elective	3
Elective	3
INT 101-Info Literacy	1

SECOND YEAR: Fall

BIB 201-New Testament Lit.	3
ENG 201 or 202-Global Lit. I or II	3
Foreign Language	3
MAT 237-Calculus II	3
Elective3	3

THIRD YEAR: Fall

BIB 301 or 302-Biblical Doc I or II	3
Foreign Language	3
310-Linear Algebra	3
MAT345-Discrete Math.....	3
SOC 347-Multicultural America....	3

FOURTH YEAR: Fall

BIB 401-Christian Worldview	3
MAT 401-Differential Equations...	3
MAT-Elective	3
Electives.....	7

FIRST YEAR: Spring

BIB 102-Old Testament Lit.....	3
ENG 102-College Writing II.....	3
Fine Arts requirement.....	3
HIS 114-Hist. of World Civ. II	3
MAT 236-Calculus I	3
PMN 201-Nyack Heritage.....	1

SECOND YEAR: Spring

Foreign Language.....	3
PHI 101-Intro. to Philosophy	3
Laboratory Science	4
Social Science Elective.....	3
Elective	3

THIRD YEAR: Spring

BIB-Elective	3
Foreign Language.....	3
MAT 238-Calculus III.....	3
MAT 330-Statistics.	3
Electives.....	4

FOURTH YEAR: Spring

MAT 470-Seminar	3
MAT-Electives	6
Electives.....	6