2018 *Bachelor of Science in Mathematics* Curriculum

FIRST YEAR — ***First Semester***

MATH 20	The Landscape of Mathematics	3
MATH 36	Mathematical Analysis I	5
BIO 11.1	Investigative Biology Laboratory	2
KAS 1 or HIST 1	Kasaysayan ng Pilipinas or Philippine History	3
ETHICS 1	Ethics and Moral Reasoning	3
HK 11	Wellness and Basic Injury Management	(2)
		16

Second Semester

MATH 37	Mathematical Analysis II *Pr MATH 36*	3
STAT 101	Statistical Methods	3
CHEM 18	University Chemistry	3
CHEM 18.1	University Chemistry Laboratory *Pr CHEM 18 (can be concurrent)*	2
ARTS 1	Critical Perspective in the Arts	3
GE Elective		3
HK 12 or HK 13		(2)
		17

SECOND YEAR — ***First Semester***

MATH 38	Mathematical Analysis III *Pr MATH 37*	5
MATH 101	Logic and Set Theory *Pr MATH 27/MATH 37 and AMAT 19/MATH 20*	3
PHYS 51	Elements of Physics	4
PHYS 51.1	Elements of Physics Laboratory *Pr PHYS 51 (can be concurrent)*	1
GE Elective		3
HK 12 or HK 13		(2)
NSTP 1		(3)
		16

Second Semester

MATH 103	Elementary Number Theory *Pr MATH 101*	3
MATH 138	Introductory Topology *Pr MATH 38 and MATH 101*	3
MATH 141	Introductory Combinatorics *Pr MATH 38 and MATH 101*	3
AMAT 152	Fundamentals of Mathematical Computing *Pr MATH 38 or MATH 28*	3
STS 1	Science, Technology and Society	3
GE Elective		3
HK 12 or HK 13		(2)
NSTP 2		(3)
		18

HK 12. Human Kinetics Activities
HK 13. Advanced Human Kinetics Activities

NSTP. National Service Training Program (ROTC or CWTS or LTS)

THIRD YEAR — ***First Semester***

MATH 111	Modern Algebra I *Pr MATH 101*	3
MATH 155	Advanced Calculus I *Pr MATH 38 and MATH 101*	3
MATH 195	Research Methods in Mathematics *Pr MATH 38 and MATH 101*	3
COMA 150	Workplace Communication	3
COMM 10	Critical Perspectives in Communication	3
Elective		3
		18

Second Semester

MATH 120	Linear Algebra *Pr MATH 111*	3
MATH 133	Euclidean and Non-Euclidean Geometry *Pr MATH 111*	3
MATH 151	Ordinary Differential Equations *Pr MATH 38 or MATH 28*	3
MATH Major Elective		3
PI 10	The Life and Works of Jose Rizal	3
		15

Midyear

MATH 198	Practicum *Pr COI*	3
		3

FOURTH YEAR

Thesis Option

First Semester

MATH 200	Undergraduate Thesis *Pr COI*	3
MATH 135	Projective Geometry *Pr MATH 133*	3
MATH 165	Complex Analysis I *Pr MATH 38 and MATH 101*	3
MATH 181	Introduction to Probability Theory *Pr MATH 38 and MATH 101*	3
MATH Major Elective		3
		15

Second Semester

MATH 200	Undergraduate Thesis *Pr COI*	3
MATH 192	Foundations of Mathematics *Pr COI*	3
MATH 199	Undergraduate Seminar *Pr COI*	1
Elective		3
Elective		3
		13

Special Problem Option

First Semester

MATH 135	Projective Geometry *Pr MATH 133*	3
MATH 165	Complex Analysis I *Pr MATH 38 and MATH 101*	3
MATH 181	Introduction to Probability Theory *Pr MATH 38 and MATH 101*	3
MATH Major Elective		3
Elective		3
		15

Second Semester

MATH 190	Special Problems *Pr COI*	3
MATH 192	Foundations of Mathematics *Pr COI*	3
MATH 199	Undergraduate Seminar *Pr COI*	1
MATH Major Elective		3
Elective		3
		13

***GE Plan of Study** is accomplished in the First Semester of the First Year.*
GE Electives should be reflected in the approved GE Plan of Study.
***BS MATH Plan of Study** is accomplished in the Second Semester of the Second Year.*
The research option for the Fourth Year should be indicated in the BS MATH Plan of Study.
MATH Major Electives are chosen from a recommended list of courses.
MATH Major Elective and other Elective courses should be reflected in the approved BS MATH Plan of Study.

Total Number of Units = 131