



College of Arts & Sciences

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BACHELOR OF SCIENCE IN MATHEMATICS
 Effective A.Y. 2018 – 2019
 CMO. No. 48, s. 2017

1 st Semester		FIRST YEAR		2 nd Semester	
		UNITS			
		LEC	LAB	UNITS	
Math 104	Calculus I (Pre-requisite Subject: Pre-Calculus)	4		Math 107	Calculus II (Pre-requisite Subject: Calculus I)
Math 109	Fundamentals of Computing 1 (Pre-requisite Subject: Pre-Calculus)	3		Math 106	Fundamental Concepts of Mathematics (Pre-requisite Subject: Pre-calculus)
GE 1	Mathematics in the Modern World	3		GE 3	Readings in Philippine History
GE 2	Understanding the Self	3		GE 4	Art Appreciation
GE Elect 1	Wikang Filipino	3		GE 5	Purposive Communication
PE 1	Physical Education I	2		PE 2	Physical Education II
NSTP 1	National Service Training Program I	3		NSTP 2	National Service Training Program II
TOTAL		21		TOTAL	
				21	

1 st Semester		SECOND YEAR		2 nd Semester	
		UNITS			
		LEC	LAB	UNITS	
Math 110	Calculus III (Pre-requisite Subject: Calculus II)	4		Math 112	Advanced Calculus I (Pre-requisite Subject: Calculus III)
Math 102	Linear Algebra	3		Math 108	Abstract Algebra I (Pre-requisite Subject: Fundamental Concepts of Math)
Phys 101A	General Physics I (Lecture)	3		Phys 102A	General Physics II
Phys 101B	General Physics I (Laboratory)		1	Math Elec 1	Math Elective I*
GE Elec 2	Panitikan ng Pilipinas	3		GE 6	Contemporary World
Math 105	Probability (Pre-requisite Subject: Calculus II)	3		PE 4	Physical Education IV
PE 3	Physical Education III	2		TOTAL	
TOTAL		19		17	

1 st Semester		THIRD YEAR		2 nd Semester	
		UNITS			
		LEC	LAB	UNITS	
Math 116	Statistical Theory (Pre-requisite Subject: Fundamental Concepts of Math, Calculus III)	3		Res. 1	Thesis I**
Math Elec 2	Math Elective II*	3		Math Elec 3	Math Elective III*
Math 117	Advanced Calculus II (Pre-requisite Subject: Advanced Calculus I)	3		GE 8	Life and Works Rizal
GE 7	Ethics	3		Math 113	Different Equations I (Pre-requisite Subject: Calculus III)
Math Elec 4	Qualified Elective*	3		Free Elec 1	Free Elective 1**
TOTAL		15		TOTAL	
				15	

1 st Semester		FOURTH YEAR		2 nd Semester	
		UNITS			
		LEC	LAB	UNITS	
Res. 2	Thesis II **	3		Math Pract	Practicum*
GE 9	Science, Technology, and Society	3		Math 115	Complex Analysis (Pre-requisite Subject: Advanced Calculus I)
Nat.Sci. 1	Biology	3		Math 114	Modern Geometry (Pre-requisite Subject: Linear Algebra, Abstract Algebra I)
Math 118	Topology (Pre-requisite Subject: Advanced Calculus I)	3		GE Elec 3	Living in the I.T. Era
Math 119	Mathematical Modeling (Pre-requisite Subjects: Fundamentals of Computing I, Differential Equations I, Linear Algebra)	3		Free Elec 2	Free Elective 2**
TOTAL		15		TOTAL	
				15	

SUMMARY			
I. General Education Courses:			
a. Core Courses	51 units	*	May be chosen from the list of math electives with the approval of program adviser.
b. GE Elective Courses	33 units	**	Students are required to complete the 6-unit thesis writing instead of 3-unit requirement as per CMO No. 48 Series of 2017.
c. Life and Works of Rizal	3 units		
Non-Foundational Courses	10 units	+	Practicum takes place of the 3-unit requirement of Qualified Elective. Only students in 4 th year standing shall be allowed to take the Practicum.
Electives	21 units		
Thesis	6 units	++	Any academic course in any discipline freely chosen by the student.
PATH-FIT and NSTP 1 & 2	14 units		
TOTAL UNITS:	138 units		

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MILAGROS M. GREIF, Ph.D.
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 I/A for Quality Assurance

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