



RA 9299

Negros Oriental State University

NOPS (1907)

Republic of the Philippines

June 25, 2004

NOTS (1927)

EVSAT (1956)

CVPC (1983)

Kagawasan Ave., Dumaguete City, Negros Oriental, Philippines 6200

BACHELOR OF SCIENCE IN MATHEMATICS

Per CMO No. 48, series of 2017

Effective School Year 2018-2019

FIRST YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 1	Understanding the Self	3		3	
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
MATH 100	Calculus I	5		5	
MATH 101	Fundamentals of Computing I	3		3	
PE 1	Physical Fitness and Health	2		2	
NSTP 1	National Service Training Program 1	3		3	
TOTAL		22	0	22	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 4	Mathematics in the Modern World	3		3	
GE 5	Purposive Communication	3		3	
GE 6	Art Appreciation	3		3	
MATH 102	Calculus II	5		5	MATH 100
MATH 103	Fundamental Concepts of Mathematics	3		3	MATH 101
PE 2	Recreational Games and Sports	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP 1
TOTAL		22	0	22	

Enhancement (For OFF-TRACK Senior High School graduates)

EN PRECAL Pre-Calculus 3

EN BACAL Basic Calculus 3

SECOND YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 7	Science, Technology and Society	3		3	
FIL 1	Akademiko sa Wikang Filipino	3		3	
MATH 200	Calculus III	5		5	MATH 102, 103
MATH 201	Abstract Algebra	3		3	MATH 102, 103
PHYS 1	General Physics I	3	2	5	
PE 3	Rhythmic and Social Recreation	2		2	PE 1
ED 101	Child & Adolescent Learners & Learning Principles	3		3	2nd Year Standing
TOTAL		22	2	24	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 8	Ethics	3		3	
GE 10	Environmental Science	3		3	
MATH 202	Advanced Calculus	3		3	MATH 200
MATH 203	Linear Algebra	3		3	MATH 201
MATH 204	Probability	3		3	MATH 201
CHEM 1	General Chemistry I	3	2	5	
PE 4	Cultural Presentation & Sports Management	2		2	PE 1
ED 102	Building and Enhancing New Literacies Across the Curriculum	3		3	2nd Year Standing
TOTAL		23	2	25	

THIRD YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 9	Life and Works of Rizal	3		3	
GE 11	Gender and Society	3		3	
MATH 300	Real analysis	3		3	MATH 202
MATH 301	Differential Equations	3		3	MATH 202
MATH 302	Set Theory	3		3	MATH 203
MATH 303	Statistical Theory	3		3	MATH 204
ED 201	Technology for Teaching & Learning 1	3		3	3rd Year Standing
ED 203	Facilitating Learner-Centered Teaching	3		3	3rd Year Standing
TOTAL		24	0	24	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 12	Philippine Popular Culture	3		3	
LIT 1	Philippine Literature	3		3	
MATH 304	Modern Geometry	3		3	MATH 302
MATH 305	Numerical Analysis	3		3	MATH 301, 302
MATH 306	Discrete Mathematics	3		3	MATH 301, 302
MATH 307	History and Development of Fundamental Ideas	3		3	3rd Year Standing
ED 202	The Teaching Profession	3		3	3rd Year Standing
TOTAL		21	0	21	

FOURTH YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
MATH 400	Complex Analysis	3		3	MATH 306, 307
MATH 401	Elementary Number Theory	3		3	MATH 306, 307
MATH 402	Operations Research I	3		3	MATH 306, 307
MATH 403	Partial Differential Equations	3		3	4th Year Standing
MATH 404	Thesis I	3		3	4th Year Standing
TOTAL		15	0	15	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
MATH 403	Graph Theory & Applications	3		3	MATH 400, 401
MATH 404	Thesis II or Special problem	3		3	MATH 402
MATH 405	Mathematical Finance	3		3	4th Year Standing
ED 304	The Teacher & the Community, School Culture & Organizational Leadership	3		3	4th Year Standing
TOTAL		12	0	12	

First Revision: August 2020

Summary

No. of Units

Gen. Ed. Courses	42
Core Courses	51
Math Electives	24
Ed Subjects	18
Thesis/Special Problem	6
NSTP	6
PE	8
Non-Math Foundational Courses	10
Total	165
With Enhancement (for SHS-Off track)	6
Total	171