



ANDRES BONIFACIO COLLEGE
College Park, Dipolog City
SCHOOL OF EDUCATION



BACHELOR OF SECONDARY EDUCATION
MAJOR IN MATHEMATICS
SY: 2023-2024

Name: _____
Contact #: _____

ID # : _____
E-mail Address: _____

FIRST YEAR

FIRST SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	Math 110	History of Mathematics	0	3	3	_____
_____	GEC 115	Gender And Society	0	3	3	_____
_____	GEC 111	Understanding the Self	0	3	3	_____
_____	GEC 112	Readings in Philippine History (Indigeneous Peoples' Studies)	0	3	3	_____
_____	GEC 113	The Contemporary World	0	3	3	_____
_____	GEC 211	Mathematics in the Modern World	0	3	3	_____
_____	GEC 123	Purposive Communication	0	3	3	_____
_____	PED 111	The Child & Adolescent Learners and Learning Principles	0	3	3	_____
_____	PATHFit 1	Movement Competency Training	0	2	2	_____
_____	NSTP 111	National Service Training Program (ROTC/CWTS)	0	(3)	(3)	_____
					26	

SECOND SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	PED 121	Building and Enhancing New Literacies Across the Curriculum	0	3	3	_____
_____	ED 313	Philippine Popular Culture (Peace Studies)	0	3	3	_____
_____	SSP 121	The Entrepreneurial Mind	0	3	3	_____
_____	MST 112	People and the Earth's Ecosystem	0	3	3	_____
_____	Rizal 101	Rizal's Life and Works	0	3	3	_____
_____	GEC 124	Science, Technology and Society	0	3	3	_____
_____	GEC 121	Ethics	0	3	3	_____
_____	GEC 122	Art Appreciation	0	3	3	_____
_____	PATHFit 2	Exercise-Based Fitness Activities	0	2	2	_____
_____	NSTP 121	National Service Training Program (ROTC/CWTS)	0	(3)	(3)	_____
					26	

SECOND YEAR

FIRST SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	MathEd 211	Calculus 1 with Analytic Geometry	0	4	4	_____
_____	Math 312	Modern Geometry	0	3	3	_____
_____	Math 125	Mathematics of Investment	0	3	3	_____
_____	TTL 211	Technology for Teaching and Learning 1	0	3	3	_____
_____	MathEd 112	Plane and Solid Geometry	0	3	3	_____
_____	PED 221	Facilitating Learner-Centered Teaching	0	3	3	_____
_____	Fil 222	Pagtatalo at Pagtatalumpati	0	3	3	_____
_____	MathEd 212	Trigonometry	0	3	3	_____
_____	PATHFit 3	Dance	0	2	2	_____
					27	

SECOND SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	MathEd 222	Calculus 2	0	4	4	_____
_____	MathEd 123	Number Theory	0	3	3	_____
_____	MathEd 214	Linear Algebra	0	3	3	_____
_____	Math 226	Elementary Statistics and Probability	0	3	3	_____
_____	PED 214	The Teaching Profession	0	3	3	_____
_____	ST 221	Foundations of Special & Inclusive Education	0	3	3	_____
_____	Math 227	Logic and Set Theory	0	3	3	_____
_____	MathEd 223	College and Advanced Algebra	0	3	3	_____
_____	PATHFit 4	Sports and Outdoor and Adventure Activities	0	2	2	_____
					27	

THIRD YEAR

FIRST SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	MathEd 315	Calculus 3	0	3	3	_____
_____	Math 323	Advanced Statistics	0	3	3	_____
_____	Math 322	Problem Solving, Mathematical Investigation and Modeling	0	3	3	_____
_____	Math 325	Principles and Strategies in Teaching Mathematics	0	3	3	_____
_____	PED 312	Assessment of Student Learning 1	0	3	3	_____
_____	Fil 122	Panitikang Filipino	0	3	3	_____
_____	IC 111	Life & Works of Andres Bonifacio	0	2	2	_____
_____	PED 312	The Teacher and the School Curriculum	0	3	3	_____
					23	

SECOND SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	MathEd 221	Abstract Algebra	0	3	3	_____
_____	Math 313	Research in Mathematics	0	4	4	_____
_____	TTLE 322	Technology for Teaching and Learning 2 - Instrumentation and Technology in Mathematics	3	2	3	_____
_____	Math 316	Assessment and Evaluation in Mathematics	0	3	3	_____
_____	PED 322	The Teacher & the Community, School Culture & Organizational Leadership	0	3	3	_____
_____	PED 321	Assessment in Student Learning 2	0	3	3	_____
_____	ST 421	Teaching Multigrade Classes	0	2	2	_____
_____	Fil 211	Retorika	0	3	3	_____
					25	

FOURTH YEAR

FIRST SEMESTER

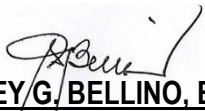
Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	FS 411	Field Study 1	0	3	3	_____
_____	FS 412	Field Study 2	0	3	3	_____
_____	Review 301	Comprehensive Review	0	6	6	_____
					12	

SECOND SEMESTER

Grade	Course Number	Course Description	Lab	Lec	Units	Pre-requisite
_____	PED 422	Teaching Internship	0	6	6	_____
					6	

Summary

	CHED Requirement	ABC Requirement
General Education Courses	36	39
Professional Education Courses	42	42
Major Courses	63	63
Institutional Courses		20
Physical Education	8	8
NSTP	6	6
TOTAL	155	178


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Dean

BACHELOR OF SECONDARY EDUCATION MAJOR IN MATHEMATICS

Curriculum Components

CODE	CORE COURSES	UNITS	TOTAL
1. General Education Courses			39
GEC 115	Gender And Society	3	
GEC 111	Understanding the Self	3	
GEC 112	Readings in Philippine History (Indigeneous Peoples' Studies	3	
GEC 113	The Contemporary World	3	
GEC 211	Mathematics in the Modern World	3	
GEC 123	Purposive Communication	3	
SSP 121	The Entrepreneurial Mind	3	
MST 112	People and the Earth's Ecosystem	3	
RIZAL 101	Rizal's Life and Works	3	
GEC 124	Science, Technology and Society	3	
GEC 121	Ethics	3	
GEC 122	Art Appreciation	3	
ED 313	Philippine Popular Culture (Peace Studies)	3	
2. Professional Education Courses			42
PED 111	The Child & Adolescent Learners & Learning Principles	3	
PED 121	Building & Enhancing New Literacies Across the Curriculum	3	
TTL 211	Technology for Teaching & Learning I	3	
PED 221	Facilitating Learner-Centered Teaching	3	
PED 214	The Teaching Profession	3	
ST 221	Foundations of Special & Inclusive Education	3	
PED 312	Assessment of Student Learning I	3	
PED 312	The Teacher & the School Curriculum	3	
PED 322	The Teacher & the Community, School Culture & Organizational Leadership	3	
PED 321	Assessment in Student Learning 2	3	
FS 411	Field Study 1	3	
FS 412	Field Study 2	3	
PED 422	Teaching Internship	6	
3. Major Courses			63
MATH 110	History of Mathematics	3	
MATHED 211	Calculus 1 with Analytic Geometry	4	
MATH 312	Modern Geometry	3	
MATH 125	Mathematics of Investment	3	
MATHED 112	Plane and Solid Geometry	3	
MATHED 212	Trigonometry	3	
MATHED 222	Calculus 2	4	
MATHED 123	Number Theory	3	
MATHED 214	Linear Algebra	3	
MATH 226	Elementary Statistics and Probability	3	
MATH 227	Logic and Set Theory	3	
MATHED 223	College and Advanced Algebra	3	
MATHED 315	Calculus 3	3	
MATH 323	Advanced Statistics	3	
MATH 322	Problem Solving, Mathematical Investigation and Modeling	3	
MATH 325	Principles and Strategies in Teaching Mathematics	3	
MATHED 221	Abstract Algebra	3	
MATH 313	Research in Mathematics	4	
TTLE 322	Technology for Teaching and Learning 2 - Instrumentation and Technology in Mathematics	3	
MATH 316	Assessment and Evaluation in Mathematics	3	

	4. Institutional Courses		20
ST 322	Teaching Multi-Grade Classes	3	
IC 111	Life and Works of Andres Bonifacio	2	
Review 301	Comprehensive Review	6	
FIL 222	Pagtatalo at Pagtatalumpati	3	
FIL 211	Retorika	3	
Fil 122	Panitikang Filipino	3	
	5. Physical Education		8
PATHFit 1	Movement Competency Training	2	
PATHFit 2	Exercise-Based Fitness Activities	2	
PATHFit 3	Dance	2	
PATHFit 4	Sports and Outdoor and Adventure Activities	2	
	6. NSTP		6
NSTP 111	National Service Training Program (ROTC/CWTS)	3	
NSTP 121	National Service Training Program (ROTC/CWTS)	3	
	TOTAL		178