



**University of Southeastern Philippines**  
*College of Education*

**BACHELOR OF SECONDARY EDUCATION MAJOR IN MATHEMATICS**

CMO No.75, series of 2017

Approved per BOR Resolution No. 58, series of 2018

Revised per BOR Resolution No. 51A, series of 2020

Effective S.Y. 2018-2019

FIRST YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
GE 113	Understanding the Self	3	0	3	NONE	GE 111	Purposive Communication	3	0	3	NONE
GE 114	Ethics	3	0	3	NONE	GE 112	Mathematics in the Modern World	3	0	3	NONE
Educ 111	The Child and Adolescent Learners and Learning Principles	3	0	3	NONE	Educ 123	Technology for Teaching and Learning 1	3	0	3	EDUC 111 EDUC 112
Educ 112	Foundation of Special and Inclusive Education	3	0	3	NONE	Educ 124	The Teacher and Community, School Culture and Organizational Leadership	3	0	3	EDUC 111
M111	History of Mathematics	3	0	3	NONE	M123	Trigonometry	3	0	3	M112
M112	College and Advanced Algebra	3	0	3	NONE	M124	Plane and Solid Geometry	2	1	3	M112
PE 111	Movement Enhancement	2	0	2	NONE	PE 122	Fitness Exercise	2	0	2	PE 111
NSTP 111	National Service Training Program 1	3	0	3	NONE	NSTP 122	National Service Training Program 2	3	0	3	NSTP 111
TOTAL				23		TOTAL				23	
SECOND YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
GE 217	Science, Technology, and Society	3	0	3	NONE	GE215	The Life and Works of Rizal	3	0	3	NONE
GE 218	Arts Appreciation	3	0	3	NONE	GE216	Readings in Philippine History	3	0	3	NONE
Educ 215	The Teaching Profession	3	0	3	Educ 124	Educ 227	Facilitating Learner-Centered Teaching	3	0	3	Educ 111
Educ 216A	Assessment In Learning 1	3	0	3	NONE	Educ 216B	Assessment in Learning 2	3	0	3	Educ 216A
M215	Calculus 1 with Analytic Geometry	4	0	4	M123 M124	M228	Calculus 2	4	0	4	M215
M216	Logic and Set Theory	3	0	3	NONE	M229	Modern Geometry	3	0	3	M124 M216
M217	Elementary Statistics and Probability	2	1	3	NONE	M2210	Advanced Statistics	2	1	3	M217
PE 213	Physical Activities Towards Health and Fitness 1	2	0	2	PE 122	PE 224	Physical Activities Towards Health & Fitness 2	2	0	2	PE 213
TOTAL				24		TOTAL				24	
THIRD YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
EGE 311	General Education Elective 1	3	0	3	NONE	EGE 313	General Education Elective 3	3	0	3	NONE
EGE 312	General Education Elective 2	3	0	3	NONE	GE 319	Contemporary World	3	0	3	NONE
Educ 318	The Teacher and the School Curriculum	3	0	3	Educ 124	M3214	Principles and Strategies of Teaching Mathematics	3	0	3	Educ 227
Educ 319	Building and Enhancing New Literacies Across the Curriculum	3	0	3	NONE	M3215	Abstract Algebra	3	0	3	M216
M3111	Calculus 3	3	0	3	M228	M3215	Technology for Teaching and Learning 2 (Instrumentation and Technology in Mathematics)	2	1	3	Educ 123
M3112	Problem Solving, Mathematical Investigation and Modeling	3	0	3	M112 M216 M229	M3217	Assessment and Evaluation in Mathematics	3	0	3	Educ 216B
M3113	Research in Mathematics	4	0	4	M2210	M3218	Pedagogical Inquiry in Mathematics	0	3	3	NONE
TOTAL				22		Total				23	
SUMMER											
Course No.	Course Title	Credit			Pre/Co-Requisite						
		Lec	Lab	Total Units Credit							
M3319	Linear Algebra	3	0	3	M216						
M3320	Number Theory	3	0	3	M216						
M3321	Mathematics of Investment	3	0	3	M112						
TOTAL				9							
FOURTH YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
FS411	Field Study 1 -Observations of Teaching-Learning in Actual School Environment	0	5	5	All subjects from 1st Yr. to 3 <sup>rd</sup> Yr.	Educ421	Teaching Internship	0	6	6	FS411, FS412
FS412	Field Study 2 - Participation and Teaching Assistantship	0	5	5		EdRes400	Thesis	0	2	2	M3113
EdRes 400	Thesis	0	2	2	M3113	TOTAL				8	
TOTAL				12		TOTAL				8	



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**Elective Course**

M3218 Pedagogical Inquiry in Mathematics

**General Education Electives**

Environmental Science  
Gender and Society  
People and the Earth's Ecosystems  
Philippine Indigenous Communities  
Reading Visual Art  
Living in the IT era  
Foreign Languages

**Summary of Units**

General Education Courses	27
General Education Electives	9
Professional Education Courses	46
Major Courses	63
Elective Course	3
Mandated Courses (PE, NSTP)	14
Institutional Courses	6
<b>Total Number of Units</b>	<b>168</b>