

CENTRO ESCOLAR UNIVERSITY
Manila
School of Education, Liberal Arts, Music and Social Work

FOUR-YEAR PROGRAM LEADING TO THE DEGREE
BACHELOR OF SECONDARY EDUCATION MAJOR IN MATHEMATICS
Effective School Year 2020-2021

FIRST YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA120	History of Mathematics	3	0	0	3	3	0	0	3	NONE
PRMA121	College and Advanced Algebra	3	0	0	3	3	0	0	3	NONE
PCED100	The Teaching Profession	3	0	0	3	3	0	0	3	NONE
PCED101	The Child and Adolescent Learners and Learning Principles	3	0	0	3	3	0	0	3	NONE
COMA11	Mathematics in the Modern World	3	0	0	3	3	0	0	3	NONE
COPY11	Understanding the Self	3	0	0	3	3	0	0	3	NONE
COSH43	The Life and Works of Rizal	3	0	0	3	3	0	0	3	NONE
COPE21	PATH-FIT 1: Movement Competency Training	2	0	0	2	2	0	0	2	NONE
COSH11	Empowering the Self	2	0	0	2	2	0	0	2	NONE
COSH21	Religion: History and Texts	3	0	0	3	3	0	0	3	NONE
TOTAL		28	0	0	28	28	0	0	28	

Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA122	Trigonometry	3	0	0	3	3	0	0	3	*PRMA121
PRMA123	Principles and Strategies in Teaching Mathematics	3	0	0	3	3	0	0	3	NONE
PCED102	The Teacher and the School Curriculum	3	0	0	3	3	0	0	3	NONE
COLA11	Purposive Communication	3	0	0	3	3	0	0	3	NONE
CONS21	Science, Technology and Society	3	0	0	3	3	0	0	3	NONE
COSH31	Art Appreciation	3	0	0	3	3	0	0	3	NONE
COSH41	Readings in Philippine History	3	0	0	3	3	0	0	3	NONE
COPE22	PATH-FIT 2: Swimming/ Recreation	2	0	0	2	2	0	0	2	NONE
TOTAL		23	0	0	23	23	0	0	23	

SECOND YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA124	Plane and Solid Geometry	3	0	0	3	3	0	0	3	*PRMA121
PRMA125	Logic and Set Theory	3	0	0	3	3	0	0	3	None
PRMA126	Calculus 1 with Analytic Geometry	4	0	0	4	4	0	0	4	*PRMA121, *PRMA122, **PRMA124
PCED103	Facilitating Learner Centered Teaching	3	0	0	3	3	0	0	3	*PCED101
PCED104	Teaching Methods and Strategies	3	0	0	3	3	0	0	3	*PCED101, **PCED103
PCED105	Foundation of Special and Inclusive Education	3	0	0	3	3	0	0	3	NONE
PCED106	Building and Enhancing New Literacies Across the Curriculum	3	0	0	3	3	0	0	3	NONE
COLA51	Expository Writing for Global Communication	3	0	0	3	3	0	0	3	NONE
COPE23	PATH-FIT 3: Dance/Individual-Dual Sports	2	0	0	2	2	0	0	2	NONE
CONP11	NSTP 1	3	0	0	3	3	0	0	3	NONE
TOTAL		30	0	0	30	30	0	0	30	

Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA127	Calculus 2	4	0	0	4	4	0	0	4	*PRMA126
PRMA128	Modern Geometry	3	0	0	3	3	0	0	3	*PRMA124, *PRMA125
PRMA129	Number Theory	3	0	0	3	3	0	0	3	*PRMA121, *PRMA125
PRMA130	Linear Algebra	3	0	0	3	3	0	0	3	*PRMA125
PRMA131	Elementary Statistics and Probability	3	0	0	3	3	0	0	3	NONE
PCED107	Technology for Teaching and Learning 1	3	0	0	3	3	0	0	3	*PCED104
COSH32	Ethics	3	0	0	3	3	0	0	3	NONE
COSH42	The Contemporary World	3	0	0	3	3	0	0	3	NONE
COPE24	PATH-FIT 4: Team Sports/Games	2	0	0	2	2	0	0	2	NONE
CONP12	NSTP 2	3	0	0	3	3	0	0	3	CONP11
TOTAL		30	0	0	30	30	0	0	30	

THIRD YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA132	Calculus 3	3	0	0	3	3	0	0	3	*PRMA127
PRMA133	Mathematics of Investments	3	0	0	3	3	0	0	3	*PRMA121
PRMA134	Technology for Teaching and Learning 2 (Assessment and Technology in Mathematics)	3	0	0	3	3	0	0	3	*PCED107
PCED108	Assessment of Learning 1	3	0	0	3	3	0	0	3	NONE
PCED181	Special Topics in Education	3	0	0	3	3	0	0	3	NONE
COLA21	Malikhaing Komunikasyon Gamit ang Panitikang Popular	3	0	0	3	3	0	0	3	NONE
COLA52	Philippine Literature	3	0	0	3	3	0	0	3	NONE
COLA31	Foreign Language 1	3	0	0	3	3	0	0	3	NONE
TOTAL		24	0	0	24	24	0	0	24	

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Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA135	Assessment and Evaluation in Mathematics	3	0	0	3	3	0	0	3	NONE
PRMA136	Advanced Statistics	3	0	0	3	3	0	0	3	*PRMA131
PRMA137	Problem Solving, Mathematical Investigations and Modelling	3	0	0	3	3	0	0	3	*PRMA121, *PRMA124, *PRMA125, *PRMA128
PRMA138	Abstract Algebra	3	0	0	3	3	0	0	3	*PRMA125
PCED109	Assessment of Learning 2	3	0	0	3	3	0	0	3	*PCED108
PCED110	The Teacher and the Community, School Culture and Organizational Leadership	3	0	0	3	3	0	0	3	NONE
COLA22	Kontekstwalisadong Komunikasyon sa Filipino	3	0	0	3	3	0	0	3	NONE
COLA32	Foreign Language 2	3	0	0	3	3	0	0	3	*COLA31
COEF21	Environmental Stewardship	3	0	0	3	3	0	0	3	NONE
COSH12	Living and Loving Relationships	2	0	0	2	2	0	0	2	NONE
COSH22	Man, Church and Society	3	0	0	3	3	0	0	3	NONE
TOTAL		32	0	0	32	32	0	0	32	

FOURTH YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA191	Research in Mathematics 1 (UR 1)	4	0	0	4	4	0	0	4	*PRMA120, *PRMA121, *PRMA122, *PRMA123, *PRMA124, *PRMA125, *PRMA126, *PRMA127, *PRMA128, *PRMA129, *PRMA130, *PRMA131, *PRMA132, *PRMA133, *PRMA134, *PRMA135, *PRMA136, *PRMA137, *PRMA138, **PCED178, **PCED179
PCED178	Field Study 1 Observations of Teaching-Learning-Learning in Actual School Environment	3	0	0	3	3	0	0	3	*PCED100, *PCED101, *PCED102, *PCED103, *PCED104, *PCED105, *PCED106, *PCED107, *PCED108, *PCED109, *PCED110, *PCED181, *PRMA120, *PRMA121, *PRMA122, *PRMA123, *PRMA124, *PRMA125, *PRMA126, *PRMA127, *PRMA128, *PRMA129, *PRMA130, *PRMA131, *PRMA132, *PRMA133, *PRMA134, *PRMA135, *PRMA136, *PRMA137, *PRMA138, **PCED178, **PCED179, **PRMA191
PCED179	Field Study 2 - Participation and Teaching Assistantship	3	0	0	3	3	0	0	3	**PCED178
TOTAL		10	0	0	10	10	0	0	10	

Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRMA192	Research in Mathematics 2 (UR2)	4	0	0	4	4	0	0	4	*PRMA136, *PRMA191
PCED183	Teaching Internship (300 hours)	0	0	6	6	3	0	17	20	*PCED178, *PCED179
TOTAL		4	0	6	10	7	0	17	24	

Total No. of Units: **187**

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