

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 SCIENCE

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	
PCBO101	General Botany	3	2	0	5	3	6	0	9	NONE
PCCH101	General Inorganic Chemistry	3	2	0	5	3	6	0	9	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
PCZO100	Foundations of Zoology	2	1	0	3	2	3	0	5	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
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
TOTAL		24	5	0	29	24	15	0	39	

Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRPD104	Thermodynamics	3	1	0	4	3	1	0	4	NONE
PCBI102	Human Anatomy and Physiology	3	2	0	5	3	6	0	9	NONE
PCCH103	Organic Chemistry	3	2	0	5	3	6	0	9	*PCCH101
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		26	5	0	31	26	13	0	39	

SECOND YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PCBI105	Microbiology and Parasitology	3	2	0	5	3	6	0	9	*PCZO100
PCCH105	Analytical Chemistry	3	2	0	5	3	6	0	9	*PCCH101
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	NSTP1	3	0	0	3	3	0	0	3	NONE
TOTAL		26	4	0	30	26	12	0	38	

Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRBI182	The Teaching Science/Teaching the Specialized Field	3	0	0	3	3	0	0	3	*PCBI105
PRPD105	Fluid Mechanics	3	0	0	3	3	0	0	3	NONE
PRPD106	Waves and Optics	3	1	0	4	3	1	0	4	*PRPD104
PCCH104	Biochemistry	3	2	0	5	3	6	0	9	*PCCH103
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		26	3	0	29	26	7	0	33	

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THIRD YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRBI160	Genetics	3	2	0	5	3	6	0	9	*PCZO100, *PCBO101
PRBI181	Technology for Teaching and Learning 2 (Science Education)	3	0	0	3	3	0	0	3	*PCED107
PRPD107	Electricity and Magnetism	3	1	0	4	3	1	0	4	*PRPD106
PRPD130	Earth Science	3	0	0	3	3	0	0	3	NONE
PRPD131	Astronomy	3	0	0	3	3	0	0	3	**PRPD130
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
COLA31	Foreign Language 1	3	0	0	3	3	0	0	3	NONE
COSH21	Religion: History and Texts	3	0	0	3	3	0	0	3	NONE
TOTAL		30	3	0	33	30	7	0	37	

THIRD YEAR

Second Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRBI161	Cell and Molecular Biology	3	2	0	5	3	6	0	9	*PRBI160, *PCCH104
PRBI140	Environmental Science	3	0	0	3	3	0	0	3	*PCZO100, *PCBO101
PRPD108	Modern Physics	3	0	0	3	3	0	0	3	*PRPD107
PRPD132	Meteorology	3	0	0	3	3	0	0	3	*PRPD130
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	2	0	34	32	6	0	38	

FOURTH YEAR

First Semester										
Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRBI191	Research in Teaching Science 1 (UR 1)	3	0	0	3	3	0	0	3	*PRBI181, *PRPD130, *PRBI160, *PRPD131 *PRPD107* PCED109, *PCED110, PRBI161, *PRBI140, *PRPD108, PRPD132
PCED178	Field Study 1 Observations of Teaching-Learning-Learning in Actual School Environment	3	0	0	3	3	0	0	3	*PRBI181, *PRPD130, *PRBI160, *PRPD131, *PRPD107* PCED109, *PCED110, PRBI161, *PRBI140, *PRPD108, PRPD132
PCED179	Field Study 2 - Participation and Teaching Assistantship	3	0	0	3	3	0	0	3	**PCED178, *PRBI181, *PRPD130, *PRBI160, *PRPD131 *PRPD107, *PCED109, *PCED110, PRBI161, *PRBI140, *PRPD108, PRPD132
COSH43	The Life and Works of Rizal	3	0	0	3	3	0	0	3	NONE
COLA52	Philippine Literature	3	0	0	3	3	0	0	3	NONE
TOTAL		15	0	0	15	15	0	0	15	

Second Semester

Class Code	Descriptive Title	Units				No. of Hours				*Pre-requisites **Co-requisites
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRBI192	Research in Teaching Science 2 (UR 2)	3	0	0	3	3	0	0	3	*PRBI191
PCED183	Teaching Internship (300 hours)	0	0	6	6	3	0	17	20	*PCED178, *PCED179
TOTAL		3	0	6	9	6	0	17	23	

Total No. of Units:

210