

## **Central Philippine Adventist College**

Alegria, Murcia, Negros Occidental 6129 P. O. Box 420, Bacolod City, Philippines 6100 Tel. Nos. (034) 7048610, (034) 4458730, 09173101370 Email: info@cpac.edu.ph

## Bachelor of Science in Biology Specialization: Medical

(CMO, 2017)

	FIRST YEAR					
	First Semester			Second Semester		
Course No	Subject	Unit	Course No	Subject	Unit	
GEC1	Understanding of Self	3	BIOL 3	General Ecology	5	
GEC2	Readings in Phil. History	3	CHEM 1	Chemical Biology 1 (Organic Molecules)	3	
GEC3	Math in the Modern World	3	NBIOL 1	Statistical Biology	3	
BIOL 1	Botany	5	GEC 4	Purposive Communication	3	
BIOL 2	Zoology	5	GEC 5	Art Appreciation	3	
NSTP 1	NSTP 1	3	PE 2	P.E. 2	2	
PE 1	P.E. 1	2	NSTP 2	NSTP 2	3	
RLG 1	Life and Teachings of Jesus	3	RLG 2	Denominational History	3	
WOED 1	Work Education	2	WOED 2	Work Education	2	
	Total	29		Total	27	

	SUMMER	
Course No	Subject	Unit
BIOL 4	Microbiology	5
BIOLE 1	Elective 1: Medical Entomology	3
	Total	8

SECOND YEAR						
First Semester			Second Semester			
Course No	Subject	Unit	Course No	Subject	Unit	
BIOLE 2	Elective 2: Medical Microbiology	4	CHEM 3	Chemical Biology III (Biomolecules)	5	
BIOLE 3	Elective 3: Medical Parasitology	4	BIOL 5	Evolutionary Biology	5	
BIOLE 4	Elective 4: Epidemiology	3	BIOL 6	Genetics	5	
CHEM 2	Chemical Biology II (Analytical Method)	3	NBIOL 2	Thesis 1	3	
GEC 6	Science, Technology and Society	3	GEC 8	Contemporary World	3	
GEC 7	Ethics	3	PE 4	P.E. 4	2	
PE 3	P.E. 3	2	RLG	Daniel and Revelation	3	
RLG 3	Christian Beliefs	3	BFE 2	Bio Entrepreneurship	3	
BFE 1	Philosophy of Biology	3				
WOED 201	Work Education II	2				
	Total	30		Total	29	

	SUMMER	
Course No	Subject	Unit
OJT	OJT-Off Campus	6
	Total	6

	THIRD YEAR						
First Semester			Second Semester				
<b>Course No</b>	Subject	Unit	Course No	Subject	Unit		
BIOL 7	Cell and Molecular Biology	5	PHYS 351	Biophysics	4		
BIOL 8	General Physiology (Plant and animal)	5	BIOLE 6	Elective 6: Human Anatomy	4		
BIOLE 5	Elective 5: Human Genetics	3	BIOLE 7	Elective 7: Human Physiology	4		
BIOL 9	Systematics of Biology	5	BIOLE 8	Elective 8: Histology	4		
NBIOL 3	Thesis 2	3	BIOLE 9	Elective 9: Immunology	3		
GEC 9	Rizal	3	BIOL 10	Developmental Biology	5		
LTRE 1	Philippine Literature	3	RLG 6	Adv. Home w/ Child Evangelism	3		
RLG 5	Philo. Of Adventist Education	3	BIOLE 10	Free Elective: Biotechniques (Intensive	3		
				Laboratory Course in Biology			
	Total	30		Total	30		

Shirley A. Bangoy, M.A Program Coordinator Pean, School of Education PhD Steven D. Dela Rama, PhD VP-Academic Administration

	Fundamentals Courses	
COURSE NO.	SUBJECT	UNITS
BIOL 1	Botany	5
BIOL 2	Zoology	5
BIIOL 3	General Ecology	5
BIOL 4	Microbiology	5
BIOL 5	Evolutionary Biology	5
BIOL 6	Genetics	5
BIOL 7	Cell and Molecular Biology	5
BIOL 8	General Physiology (Plant and Animal)	5
BIOL 9	Systematics of Biology	5
BIOL 10	Developmental Biology	5
	TOTAL	50
	Tool Courses	
COURSE NO.	COURSE TITLE	UNITS
CHEM 1	Chemical Biology I (Organic Molecules)	5
CHEM 2	Chemical Biology II (Analytical Method)	3
CHEM 3	Chemical Biology III (Biomolecules)	5
PHYS 1	Biophysics  Chalictical Biology	4
NBIOL 1	Statistical Biology	3
	TOTAL	18
	Elective Courses	
COURSE NO.	COURSE TITLE	UNITS
BIOLE 1	Elective 1: Medical Entomology	3
BIOLE 2	Elective 2: Medical Microbiology	4
BIOLE 3	Elective 3: Medical Parasitology	4
BIOLE 4	Elective 4: Epidemiology	3
BIOLE 5	Elective 5: Human Genetics	3
BIOLE 6	Elective 6: Human Anatomy	4
BIOLE 7	Elective 7: Human Physiology	4
BIOLE 8	Elective 8: Histology	4
BIOLE 9	Elective 9: Immunology  TOTAL	3 36
		30
	Research	
NBIOL 2	Thesis 1	3
NBIOL 3	Thesis 2	3
	TOTAL	6
	General Education	
GEC 1	Understanding OF Self	3
GEC 2	Reading in Phil. History	3
GEC 3	Math in the Modern World	3
GEC 4	Donated to Communication	3
	Purposive Communication	
GEC 5	Art Appreciation	3
GEC 6	Art Appreciation Science, Technology and Society	3
GEC 6 GEC 7	Art Appreciation Science, Technology and Society Ethics	3 3 3
GEC 6 GEC 7 GEC 8	Art Appreciation Science, Technology and Society Ethics Contemporary World	3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal	3 3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology	3 3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship	3 3 3 3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature	3 3 3 3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature TOTAL	3 3 3 3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2 LTRE 1	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature TOTAL  Mandated Courses	3 3 3 3 3 3 3 3 3 3 3
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2 LTRE 1	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature  TOTAL  Mandated Courses  NSTP 1	3 3 3 3 3 3 3 3 3 3 3 3 3 2 2
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2 LTRE 1  NSTP 1 NSTP 2	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature  TOTAL  Mandated Courses  NSTP 1 NSTP 2	3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2 LTRE 1  NSTP 1 NSTP 2 PE 1	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature  TOTAL  Mandated Courses  NSTP 1 NSTP 2 P.E. 1	3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2 LTRE 1  NSTP 1 NSTP 2 PE 1 PE 2	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature  TOTAL  Mandated Courses  NSTP 1 NSTP 2 P.E. 1 P.E. 2	3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2
GEC 6 GEC 7 GEC 8 GEC 9 BFE 1 BFE 2 LTRE 1  NSTP 1 NSTP 2 PE 1	Art Appreciation Science, Technology and Society Ethics Contemporary World Rizal Philosophy of Biology Bio Entrepreneurship Philippine Literature  TOTAL  Mandated Courses  NSTP 1 NSTP 2 P.E. 1	3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2

	Religion		
RLG 1	Life and Teaching of Jesus		3
RLG 2	Denominational History		3
RLG 3	Christian Beliefs		3
RLG 4	Daniel and Revelation		3
RLG 5	Philo. Of Adventist Education		3
RLG 6	Adv. Home w/ Child Evangelism		3
	ТОТ	AL	18
	Work Education		
WOED 1	Work Education 1		2
WOED 2	Work Education 2		2
WOED 3	Work Education 3		2
	TOT	AL	6

Total Number of Units: 188

Prepared by: Approved by:

Shirley A. Bangoy, M.A Program Coordinator Arnel F. Arcenal, PhD
Dean, School of Education

Steven D. Dela Rama, PhD VP-Academic Administration



Alegria, Murcia, Negros Occidental

## Bachelor of Science in Biology Specialization: Ecology (CMO, 2017)

	FIRST YEAR					
	First Semester		Second Semester			
Course No	Subject	Unit	Course No	Subject	Unit	
GEC 1	Understanding of Self	3	BIOL 3	General Ecology	5	
GEC 2	Readings in Phil. History	3	CHEM 1	Chemical Biology 1 (Organic Molecules)	3	
GEC 3	Math in the Modern World	3	NBIOL 1	Statistical Biology	3	
BIOL 1	Botany	5	GEC 4	Purposive Communication	3	
BIOL 2	Zoology	5	GEC 5	Art Appreciation	3	
NSTP 1	NSTP 1	3	PE 2	P.E. 2	2	
PE 1	P.E. 1	2	NSTP 2	NSTP 2	3	
RLG 1	Life and Teachings of Jesus	3	RLG 2	Denominational History	3	
WOED 1	Work Education 1	2	WOED 2	Work Education	2	
	Total	29		Total	27	

	SUMMER	
Course No	Subject	Unit
BIOL 4	Microbiology	5
BIOLE 1	Elective 1: Bioinformatics	3
	Total	8

SECOND YEAR						
	First Semester			Second Semester		
Course No	Subject	Unit	Course No	Subject	Unit	
BIOLE 2	Elective 2: Fresh Water Ecology	4	CHEM 3	Chemical Biology III (Biomolecules)	5	
BIOLE 3	Elective 3: Community Ecology	4	BIOL 5	Evolutionary Biology	5	
BIOLE 4	Elective 4: Population Ecology	3	BIOL 6	Genetics	5	
CHEM 2	Chemical Biology II (Analytical Method)	3	NBIOL 2	Thesis 1	3	
GEC 6	Science, Technology and Society	3	GEC 8	Contemporary World	3	
GEC 7	Ethics	3	PE 4	P.E. 4	2	
PE 3	P.E. 3	2	RLG	Daniel and Revelation	3	
RLG 3	Christian Beliefs	3	BFE 2	Bio Entrepreneurship	3	
BFE 1	Philosophy of Biology	3				
WOED 201	Work Education 3	2				
	Total	30		Total	29	

	SUMMER	
Course No	Subject	Unit
OJT	OJT-Off Campus	6
	Total	6

THIRD YEAR					
First Semester		Second Semester			
Course No	Subject	Unit	Course No	Subject	Unit
BIOL 7	Cell and Molecular Biology	5	PHYS 351	Biophysics	4
BIOL 8	General Physiology (Plant and animal)	5	BIOLE 6	Elective 6: Marine Ecology	4

	Total	30		Total	30
RLG 5	Philo. Of Adventist Education	3	BIOLE 10	Free Elective: Biotechniques (Intensive Laboratory Course in Biology	3
LTRE 1	Philippine Literature	3	BIOLE 9	Elective 9: Microbial Ecology	3
GEC 9	Rizal	3	RLG 6	Adv. Home w/ Child Evangelism	3
NBIOL 3	Thesis 2	3	BIOL 10	Developmental Biology	5
	-			Management	
BIOL 9	Systematics of Biology	5	BIOLE 8	Elective 8: Biological Resource	4
BIOLE 5	Elective 5: Behavioral Ecology	3	BIOLE 7	Elective 7: Terrestrial Ecology	4

Prepared by:	Approved by:

Shirley A. Bangoy, M.A
Program Coordinator D

Arnel F. Arcenal, PhD
Dean, School of Education

Steven D. Dela Rama, PhD VP-Academic Administration

## **EVALUATION FORM**

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Fundamentals Courses			
COURSE NO.	SUBJECT	UNITS	
BIOL 1	Botany	5	
BIOL 2	Zoology	5	
BIIOL 3	General Ecology	5	

	T. a	
BIOL 4	Microbiology	5
BIOL 5	Evolutionary Biology	5
BIOL 6	Genetics	5
BIOL 7	Cell and Molecular Biology	5
BIOL 8	General Physiology (Plant and Animal)	5
BIOL 9	Systematics of Biology  Developmental Biology	5
BIOL 10	Developmental Biology	5
	TOTA	AL 50
	Tool Courses	
COURSE NO.	COURSE TITLE	UNITS
CHEM 1	Chemical Biology I (Organic Molecules)	5
CHEM 2	Chemical Biology II (Analytical Method)	3
CHEM 3	Chemical Biology III (Biomolecules)	5
PHYS 1	Biophysics	4
NBIOL 1	Statistical Biology	3
	TOT	AL 18
	Elective Courses	
COLUBER NO		118070
COURSE NO.	COURSE TITLE	UNITS
BIOLE 1 BIOLE 2	Elective 1: Bioinformatics	3 4
BIOLE 2	Elective 2: Fresh Water Ecology	3
	Elective 3: Community Ecology	
BIOLE 4 BIOLE 5	Elective 4: Population Ecology Elective 5: Behavioral Ecology	3 3
BIOLE 5	Elective 5: Behavioral Ecology  Elective 6: Marine Ecology	4
BIOLE 7	Elective 6: Marine Ecology  Elective 7: Terrestrial Ecology	4
BIOLE 8	Elective 8: Biological Resource Management	4
BIOLE 9	Elective 9: Microbial Ecology	3
BIOLE 10	Free Elective 10: Biotechniques (Intensive Laboratory Course in Biology)	3
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	Research	
NBIOL 2	Thesis 1	3
NBIOL 3	Thesis 2	3
	ТОТА	AL 6
	General Education	
GEC 1	Understanding OF Self	3
GEC 2	Reading in Phil. History	3
GEC 3	Math in the Modern World	3
GEC 4	Purposive Communication	3
GEC 5	Art Appreciation	3
GEC 6	Science, Technology and Society	3
GEC 7	Ethics	3
GEC 8	Contemporary World	3
GEC 9	Rizal	3
BFE 1	Philosophy Biology	3
BFE 2	Bio Entrepreneurship	3
LTRE 1	Philippine Literature	3
	TOT	AL 36
	Mandated Courses	
NSTP 1	NSTP 1	2
NSTP 2	NSTP 2	2
PE 1	P.E. 1	2
PE 2	P.E. 2	2
PE 3	P.E. 3	2
PE 4	P.E. 4	2
	тот	AL 12

	Religion	
RLG 1	Life and Teaching of Jesus	3
RLG 2	Denominational History	3
RLG 3	Christian Beliefs	3
RLG 4	Daniel and Revelation	3
RLG 5	Philo. Of Adventist Education	3
RLG 6	Adv. Home w/ Child Evangelism	3
	TOTAL	18
	Work Education	
WOED 1	Work Education 1	2
WOED 2	Work Education 2	2
WOED 3	Work Education 3	2
	TOTAL	6

Total Number of Units: 188

Prepared by: Approved by:

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