



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 | | |
| 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: 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 Laboratory Course in Biology) | 3 |
| Total | | 30 | Total | | 30 |

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

EVALUATION FORM

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 | 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 | 3 |
| TOTAL | | 36 |

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 | 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 of Biology | 3 |
| BFE 2 | Bio Entrepreneurship | 3 |
| LTRE 1 | Philippine Literature | 3 |
| TOTAL | | 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 |
| TOTAL | | 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:

Shirley A. Bangoy, M.A.
Program Coordinator

Arnel F. Arcenal, PhD
Dean, School of Education

Steven D. Dela Rama, PhD
VP-Academic Administration



**Central Philippine Adventist
College**

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 |

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

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Approved by:

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EVALUATION FORM

Fundamentals Courses

| COURSE NO. | SUBJECT | UNITS |
|------------|-----------------|-------|
| BIOL 1 | Botany | 5 |
| BIOL 2 | Zoology | 5 |
| BIOL 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 | 4 |
| NBIOL 1 | Statistical Biology | 3 |
| TOTAL | | 18 |
| Elective Courses | | |
| COURSE NO. | COURSE TITLE | UNITS |
| BIOLE 1 | Elective 1: Bioinformatics | 3 |
| BIOLE 2 | Elective 2: Fresh Water Ecology | 4 |
| BIOLE 3 | Elective 3: Community Ecology | 3 |
| BIOLE 4 | Elective 4: Population Ecology | 3 |
| BIOLE 5 | Elective 5: Behavioral Ecology | 3 |
| BIOLE 6 | Elective 6: Marine Ecology | 4 |
| BIOLE 7 | 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 |
| TOTAL | | 36 |
| 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 | 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 |
| TOTAL | | 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 |
| TOTAL | | 12 |

| Religion | | |
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| RLG 1 | Life and Teaching of Jesus | 3 |
| RLG 2 | Denominational History | 3 |
| RLG 3 | Christian Beliefs | 3 |
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| 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

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