



Adventist University of the Philippines

BACHELOR OF SCIENCE IN BIOLOGY

(Enhanced Curriculum 2014)

FIRST YEAR

<u>First Semester</u>			Units
BIOL	113	General Zoology Lecture	3
BIOL	113L	General Zoology Laboratory	2
HIST	111	Philippine History	3
VOED	111	Home Skills	2
ENCA	111	Communication Arts I	3
FILI	111	Komunikasyon sa Akademikong Filipino	3
MATH	111	College Algebra	3
RELB	111	The Gospel	3
PHED	111	Physical Education I	2
CWTS	111	NSTP I	3
MFBI	111	Majors' Forum	(1)
SCSS	111	Students' Convocation	(1)
Total Units			29

<u>Second Semester</u>			Units
BIOL	123	General Botany Lecture	3
BIOL	123L	General Botany Laboratory	2
CHEM	111	General Chemistry Lecture	3
CHEM	111L	General Chemistry Laboratory	2
ENCA	122	Communication Arts II	3
FILI	122	Pagbasa at Pagsulat Tungo sa Pananaliksik	3
MATH	112	College Trigonometry	3
RELB	122	Destiny of Man	3
PHED	122	Physical Education II	2
CWTS	122	NSTP II	3
MFBI	112	Majors' Forum	(1)
SCSS	112	Students' Convocation	(1)
Total Units			29

SECOND YEAR

<u>First Semester</u>			Units
BIOL	211	Comparative Anatomy Lecture	3
BIOL	211L	Comparative Anatomy Laboratory	2
BIOL	213	Entomology	3
BIOL	215	Plant Anatomy Lecture	2
BIOL	215L	Plant Anatomy Laboratory	1
PHYS	121	General Physics I Lecture	3
PHYS	121L	General Physics I Laboratory	2
CSUS	111	Introduction to Computer Science	3
FILI	213	Masining na Pagpapahayag	3

RELB	213	Daniel and Revelation	3
PHED	213	Physical Education III	2
MFBI	211	Majors' Forum	(1)
SCSS	211	Students' Convocation	(1)
Total Units			29

Second Semester

			Units
BIOL	222	Plant Physiology Lecture	2
BIOL	222	Plant Physiology Laboratory	1
CHEM	121	Organic Chemistry Lecture	3
CHEM	121L	Organic Chemistry Laboratory	2
MATH	121	Introduction to Statistics	3
ENPL	211	Philippine Literature	3
PHYS	222	General Physics II Lecture	3
PHYS	222L	General Physics II Laboratory	2
VOED	122	Vocational Elective (Driving or Keyboarding)	2
RELB	224	Adventist Heritage	3
PHED	224	Physical Education IV	2
MFBI	212	Majors' Forum	(1)
SCSS	212	Students' Convocation	(1)
Total Units			28

THIRD YEAR

First Semester

			Units
BIOL	312	Human Anatomy Lecture	2
BIOL	312L	Human Anatomy Laboratory	1
BIOL	314	Taxonomy and Economic Botany Lec	2
BIOL	314L	Taxonomy and Economic Botany Lab.	1
BIOL	316	Microbiology Lecture	2
BIOL	316L	Microbiology Laboratory	1
CHEM	211	Biochemistry Lecture	3
CHEM	211L	Biochemistry Laboratory	2
ENRS	213	Reading and Speech	3
PSYC	111	General Psychology with Drug Prevention	3
SOSC	212	Rizal: Life and Works	3
SOSC	113	Politics and Governance w/ Phil. Constitution	3
MFBI	311	Majors' Forum	(1)
SCSS	311	Students' Convocation	(1)
Total Units			28

Second Semester

			Units
BIOL	322	Human Physiology Lecture	3
BIOL	322L	Human Physiology Laboratory	1
BIOL	324	Developmental Biology Lecture	2
BIOL	324L	Developmental Biology Laboratory	1
BIOL	326	Cell and Molecular Biology Lecture	3
BIOL	326L	Cell and Molecular Biology Laboratory	1
BIOL	328	Methods of Research	3

FAHU	221	Introduction to Humanities	3
SOSC	124	Basic Economics w/ Tax. & Agrarian Reform	3
MATH	213	Calculus I/Analytical Geometry	3
MFBI	312	Majors' Forum	(1)
SCSS	312	Students' Convocation	(1)
Total Units			25

FOURTH YEAR

<u>First Semester</u>			Units
BIOL	411	Fundamentals of Genetics Lecture	3
BIOL	411L	Fundamentals of Genetics Laboratory	2
BIOL	413	Microtechnique	3
BIOL	414	Animal Behavior	3
BIOL	416	Histology Lecture	2
BIOL	416L	Histology Laboratory	1
BIOL	418	Thesis Writing	3
SOSC	215	Society & Culture w/ Family Planning	3
WOED	211	Work Education I	(1)
MFBI	411	Majors' Forum	(1)
SCSS	411	Students' Convocation	(1)
Total Units			23

<u>Second Semester</u>			Units
BIOL	421	Ecology Lecture	2
BIOL	421L	Ecology Laboratory	1
BIOL	423	Marine Biology	3
BIOL	425	Philosophical Biology	3
BIOL	427	Intro. to Bioinformatics and Systems of Biology	3
BIOL	429	Seminar in Biology	1
ENWL	223	World Literature	3
PHIL	121	General Philosophy	3
RELB	323	Spirit of Prophecy	2
WOED	222	Work Education II	(1)
MFBI	412	Majors' Forum	(1)
SCSS	412	Students' Convocation	(1)
Total Units			25

On-the-Job Training – 164 Hours (Hospital, Teaching, Research)

Grand Total **196**

Summary

GENERAL EDUCATION REQUIREMENTS	77
<i>English</i>	<i>9</i>
Communication Arts I	3
Communication Arts II	3
Reading & Speech	3
<i>Filipino</i>	<i>9</i>
Komunikasyon sa Akademikong Filipino	3
Pagbasa at Pagsulat	3
Masining na Pagpapahayag	3
<i>Literature</i>	<i>6</i>
Philippine Literature	3
World Literature	3
<i>Mathematics</i>	<i>6</i>
Covered in the non-biology tool courses	
<i>Natural Sciences</i>	<i>9</i>
Covered as additional electives in the biology and in the non-biology tool courses	
<i>Humanities</i>	<i>6</i>
Introduction to Humanities	3
General Philosophy	3
<i>Social Sciences</i>	<i>12</i>
Pol. Gov. w/ Phil Const.	3
Basic Eco. w/ Tax. & Agr. Ref	3
Soc. & Cul. w/ Fam. P& H/A	3
Gen.Psy. w/ Drug Prev.	3
<i>Mandated Courses</i>	<i>6</i>
Philippine History	3
Life & Works of Rizal	3
<i>Physical Education</i>	<i>8</i>
Physical Education I	2
Physical Education II	2
Physical Education III	2
Physical Education IV	2
<i>NSTP</i>	<i>6</i>
NSTP I	3
NSTP II	3
INTERNAL REQUIREMENTS	16
<i>Bible Courses</i>	<i>12</i>
The Gospel	3
Destiny of Man	3
Daniel & Revelation	3
Adventist Heritage	3
<i>Vocational Education</i>	<i>4</i>
Home Skills	2

Vocational Elective: (any of the following)	2
Keyboarding	
Driving	
<i>Work Education</i>	<i>(2)</i>
Work Education I	(1)
Work Education II	(1)
<i>Majors' Forum</i>	<i>(8)</i>
MFBI 111	(1)
MFBI 112	(1)
MFBI 211	(1)
MFBI 212	(1)
MFBI 311	(1)
MFBI 312	(1)
MFBI 411	(1)
MFBI 412	(1)
<i>Students' Convocation</i>	<i>(8)</i>
SCSS 111	(1)
SCSS 112	(1)
SCSS 211	(1)
SCSS 212	(1)
SCSS 311	(1)
SCSS 312	(1)
SCSS 411	(1)
SCSS 412	(1)
MAJOR COURSES	76
<i>Core Courses</i>	<i>44</i>
General Zoology Lecture and Laboratory	5
General Botany Lecture and Laboratory	5
Plant Anatomy Lecture and Laboratory	3
Plant Physiology Lecture and Laboratory	3
Human Anatomy Lecture and Laboratory	3
Human Physiology Lecture and Laboratory	4
Fundamentals of Genetics Lecture and Laboratory	5
Ecology Lecture and Laboratory	3
Microbiology Lecture and Laboratory	3
Cell and Molecular Biology Lecture and Laboratory	4
Taxonomy and Economic Botany Lecture and Laboratory	3
Developmental Biology Lecture and Laboratory	3
<i>Major Electives (pre-med must take Compa. Ana.)</i>	<i>27</i>
Animal Behavior	3
Comparative Vert. Anatomy w/ Laboratory	5
Entomology	3
Histology w/ Laboratory	3
Intro. to Bioinformatics and System of Biology	3
Marine Biology	3
Microtechnique	3
Ornithology	3
Parasitology	3

Philosophical Biology	3
Seminar in Biology	1
Tissue Culture (Plant)	3
<i>Thesis</i>	<i>6</i>
Methods of Research (Thesis I)	3
Thesis Writing (Thesis II)	3
ELECTIVES (Non-Biology Tool Courses)	40
<i>Chemistry</i>	<i>15</i>
General Inorganic Chemistry Lecture and Laboratory	5
Organic Chemistry Lecture and Laboratory	5
Biochemistry Lecture and Laboratory	5
<i>Physics</i>	<i>10</i>
General Physics I Lecture and Laboratory	5
General Physics II Lecture and Laboratory	5
<i>Mathematics</i>	<i>12</i>
College Algebra	3
Trigonometry	3
Intro. to Statistics	3
Analytic Geometry/Calculus I	3
<i>Free Elective</i>	<i>3</i>
Intro. to Computer Science	3
GRAND TOTAL	196