



# Adventist University of the Philippines

## BACHELOR OF SCIENCE IN MATHEMATICS

(Enhanced Curriculum 2014)

### FIRST YEAR

<u>First Semester</u>			Units
MATH	111	College Algebra	3
MATH	112	College Trigonometry	3
MATH	121	Statistics	3
ENCA	111	Communication Arts I	3
FILI	111	Kom. sa Akademikong Filipino	3
HIST	111	Philippine History	3
RELB	111	The Gospel	3
PHED	111	Physical Education I	2
CWTS	111	NSTP I	3
MFMT	111	Majors' Forum	(1)
SCSS	111	Students' Convocation	(1)
<b>Total Units</b>			<b>28</b>

<u>Second Semester</u>			Units
MATH	120	Funda. Concepts of Mathematics	3
MATH	122	Analytic Geometry	3
MATH	125	Fundamentals of Computing I	3
ENCA	122	Communication Arts II	3
FILI	122	Pagbasa at Pagsulat tungo sa Pananaliksik	3
		Free Elective I	3
RELB	122	The Destiny of Man	3
PHED	122	Physical Education II	2
CWTS	122	NSTP II	3
MFMT	112	Majors' Forum	(1)
SCSS	112	Students' Convocation	(1)
<b>Total Units</b>			<b>28</b>

### SECOND YEAR

<u>First Semester</u>			Units
MATH	211	Plane and Solid Geometry	3
MATH	213	Calculus I	3
PHYS	211	General Physics I Lecture	3
PHYS	211L	General Physics I Lab.	3
PSYC	111	General Psychology	3
RELB	213	Daniel and Revelation	3
PHED	213	Physical Education III	2
VOED	111	Home Skills	3
MFMT	211	Majors' Forum	(1)
SCSS	211	Students' Convocation	(1)
<b>Total Units</b>			<b>23</b>

## Second Semester

			Units
MATH	220	Linear Algebra	3
MATH	224	Calculus II	3
MATH		Applied Math Elective I	3
		Free Elective II	5
FILI	213	Masining na Pagpapahayag	3
RELB	224	Adventist Heritage	3
PHED	224	Physical Education IV	2
MFMT	212	Majors' Forum	(1)
SCSS	212	Students' Convocation	(1)
<b>Total Units</b>			<b>24</b>

## THIRD YEAR

### First Semester

			Units
MATH	310	Probability	3
MATH	311	Differential Equations I	3
MATH	313	Calculus III	6
ENPL	211	Philippine Literature	3
SOSC	113	Pol. & Gov. w/ Phil. Constitution	3
		Vocational Elective	2
WOED	111	Work Education I	(1)
MFMT	311	Majors' Forum	(1)
SCSS	311	Students' Convocation	(1)
<b>Total Units</b>			<b>23</b>

### Second Semester

			Units
MATH	320	Modern Geometry	3
MATH	321	Abstract Algebra I	3
MATH		Applied Math Elective II	3
MATH		Applied Math Elective III	3
		Free Elective III	5
SOSC	124	Basic Economics w/ TAR	3
WOED	122	Work Education II	(1)
MFMT	312	Majors' Forum	(1)
SCSS	312	Students' Convocation	(1)
<b>Total Units</b>			<b>23</b>

## FOURTH YEAR

### First Semester

			Units
MATH	400	Thesis/Special Problem	3
MATH	415	Advanced Calculus I	3
MATH		Applied Math Elective IV	3
BIOL	111	Biological Science	3
SOSC	212	Life and Works of Rizal	3
FAHU	221	Introduction to Humanities	3
MFMT	411	Majors' Forum	(1)
SCSS	411	Students' Convocation	(1)
<b>Total Units</b>			<b>20</b>

<b>Second Semester</b>			<b>Units</b>
MATH	426	Advanced Calculus II	3
MATH	421	Complex Analysis	3
MATH		Applied Math Elective V	3
PHIL	121	General Philosophy	3
SOSC	215	Society and Culture w/ Family Planning	3
MFMT	412	Majors' Forum	(1)
SCSS	412	Students' Convocation	(1)
<b>Total Units</b>			<b>17</b>

## SUMMARY

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>64 Units</b>
<b>English</b>	<b>6 Units</b>
Communication Arts I	3
Communication Arts II	3
<b>Filipino</b>	<b>9 Units</b>
Komunikasyon sa Akademikong Filipino	3
Pagbasa at Pagsulat Tungo sa Pananaliksik	3
Masining na Pagpapahayag	3
<b>Literature</b>	<b>3 Units</b>
Philippine Literature	3
<b>Mathematics</b>	<b>6 Units</b>
College Algebra	3
Trigonometry	3
<b>Natural Sciences</b>	<b>8 Units</b>
Biological Science	3
General Physics I	5
<b>Humanities</b>	<b>6 Units</b>
Introduction to Humanities	3
General Philosophy	3
<b>Social Sciences</b>	<b>12 Units</b>
General Psychology	3
Politics and Government with Philippine Const.	3
Society and Culture with Family Planning	3
Basic Economics with LRT	3
<b>Mandated Courses</b>	<b>6 Units</b>
Life and Works of Rizal	3
Philippine History	3
<b>Physical Education</b>	<b>8 Units</b>
PE I	2
PE II	2
PE III	2
PE IV	2

<b>CWTS</b>	<b>6 Units</b>
NSTP I	3
NSTP II	3
<b>INTERNAL REQUIREMENTS</b>	<b>16 Units</b>
<b>Bible Courses</b>	<b>12 Units</b>
The Gospel	3
The Destiny of Man	3
Daniel and Revelation	3
Adventist Heritage	3
<b>Vocational Education</b>	<b>4</b>
Home Skills	2
<i>Add any of the following:</i>	
Driving	2
Keyboarding	2
<b>Work Education</b>	<b>2 Units</b>
Work Education I	2
Work Education II	2
<b>Majors' Forum (every semester)</b>	<b>(8) Units</b>
MFMT 111	(1)
MFMT 112	(1)
MFMT 211	(1)
MFMT 212	(1)
MFMT 311	(1)
MFMT 312	(1)
MFMT 411	(1)
MFMT 412	(1)
<b>Students' Convocation</b>	<b>(8) Units</b>
SCSS 111	(1)
SCSS 112	(1)
SCSS 211	(1)
SCSS 212	(1)
SCSS 311	(1)
SCSS 312	(1)
SCSS 411	(1)
SCSS 412	(1)
<b>MAJOR COURSES</b>	
<b>Core and Required Courses</b>	<b>54 Units</b>
Fundamentals of Computing I	3
Statistics	3
Analytic geometry	3
Calculus I	3
Linear Algebra	3
Probability	3
Fundamental Concepts of Math	3
Plane & Solid Geometry	3
Calculus II	3
Calculus III	6
Abstract Algebra I	3
Differential Equations I	3
Modern Geometry	3
Advanced Calculus I	3

Advanced Calculus II	3	
Complex Analysis	3	
Thesis/Special Problem	3	
<b>Applied Math Electives - Any 5 of the following:</b>		<b>15 Units</b>
Fundamentals of Computing II	3	
Discrete Mathematics	3	
Number Theory	3	
Mathematical Modeling	3	
Theory of Interest	3	
Numerical Analysis	3	
Operations Research I	3	
Statistical Theory	3	
Time Series Analysis	3	
Real Analysis	3	
Graph Theory and its Applications	3	
Differential Equations II	3	
<b>Applied Math Electives - Any 5 of the following:</b>		<b>15 Units</b>
Fundamentals of Computing II	3	
Discrete Mathematics	3	
Number Theory	3	
Mathematical Modeling	3	
Theory of Interest	3	
Numerical Analysis	3	
Operations Research I	3	
Statistical Theory	3	
Time Series Analysis	3	
Real Analysis	3	
Graph Theory and its Applications	3	
Differential Equations II	3	
<b>FREE ELECTIVES</b>		<b>13 Units</b>
<i>(Note: Students may choose from the following suggested courses or any courses in consultation with the department chair.)</i>		
Introduction to Computer Science	3	
General Chemistry w/ Lab	5	
General Physics II w/ Lab	5	
<b>GRAND TOTAL</b>		<b>162 Units</b>