

**Republic of the Philippines**  
**BATANGAS STATE UNIVERSITY**  
**College of Arts and Sciences**

**BACHELOR OF SCIENCE IN MATHEMATICS**  
**Effective AY 2012-2013**

<b>FIRST YEAR First Semester</b>						
<b>COURSE CODE</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
*ENG 100	English Plus (non-credit)	3	0	3	0	
ENG 101	Advanced Grammar and Composition	3	0	3	3	
FIL 101	Komunikasyon sa Akademikong Pilipino	3	0	3	3	
CHEM 104	General Chemistry	3	6	9	5	
MATH 104	Advanced Algebra	5	0	5	5	
MATH 107	Plane Trigonometry	3	0	3	3	
SS101	General Psychology	3	0	3	3	
PE 101	Physical Fitness, Aerobics and Gymnastics	2	0	2	2	
NSTP 101	National Service Training Program I	3	0	3	3	
<b>*for non-EPT passers</b>					<b>TOTAL</b>	<b>27</b>

<b>FIRST YEAR Second Semester</b>						
<b>COURSE CODE</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
*ENG 101	Advanced Grammar and Composition	3	0	3	3	ENG 100
ENG 102	Study and Thinking Skills	3	0	3	3	ENG 101
FIL 102	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	3	FIL 101
SS 102	Philippine History	3	0	3	3	
HUM 102	Introduction to Philosophy	3	0	3	3	
STAT 101	Fundamentals of Statistics	3	0	3	3	
MATH _____	Mathematical Analysis I	5	0	5	5	MATH 104, MATH 107
PE 102	Rhythmic Activities	2	0	2	2	PE 101
NSTP 102	National Service Training Program II	3	0	3	3	
<b>*for non-EPT passers</b>					<b>TOTAL</b>	<b>24</b>

<b>FIRST YEAR Summer</b>						
<b>COURSE CODE</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
*ENG 102	Study and Thinking Skills	3	0	3	3	ENG 101
<b>*for non- EPT passers</b>					<b>TOTAL</b>	<b>3</b>

<b>SECOND YEAR First Semester</b>						
<b>Course Code</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
ENG 103	Oral Communication	3	0	3	3	ENG 102
FIL 103	Masining na Pagpapahayag	3	0	3	3	FIL 102
NS 101	Earth and Environment Studies	3	0	3	3	
PHY 106	Fundamentals of Physics I	4	3	7	5	MATH ____
MATH ____	Mathematical Analysis II	5	0	5	5	MATH ____
MATH ____	Set Theory and Logic	3	0	3	3	MATH 104
SS 115	Seminar in Personality Development	1	0	1	1	
PE 103	Recreational Games and Sports	2	0	2	2	PE 102

**TOTAL 25**

<b>SECOND YEAR Second Semester</b>						
<b>Course Code</b>	<b>Descriptive Title of the Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit units</b>	<b>Pre-requisite</b>
ENG 104	Technical Writing	3	0	3	3	Eng 103
SS 106	Politics and Governance with Philippine Constitution	3	0	3	3	
COMP 101	Introduction to Computer Science	3	0	3	3	
PHY 107	Fundamentals of Physics II	4	3	7	5	PHY 106
MATH ____	Mathematical Analysis III	3	0	3	3	Math Analysis II
MATH 120	Differential Equation	3	0	3	3	MATH 115
MATH ____	Linear Algebra	3	0	3	3	Set theory and logic
PE 104	Team Sports	2	0	2	2	PE 103

**TOTAL 25**

<b>THIRD YEAR First Semester</b>						
<b>Course Code</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
SS 103	Society, Culture and Responsible Parenthood	3	0	3	3	
SS 105	Basic Economics with Taxation and Land Reform	3	0	3	3	
LIT 101	Philippine Literature	3	0	3	3	
COMP 107	Fundamentals of Computing I	3	0	3	3	Comp 101
MATH ____	Number Theory	3	0	3	3	Set Theory and Logic
MATH ____	Abstract Algebra	3	0	3	3	Set Theory and Logic Coreq: Number Theory
MATH ____	Fundamental Concepts of Mathematics	3	0	3	3	
MATH ____	Graph Theory and Applications	3	0	3	3	Set Theory and Logic

**Total 24**

<b>THIRD YEAR Second Semester</b>						
<b>Course Code</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
LIT 102	World Literature	3	0	3	3	
NS 102	Foundations of Biological Sciences	3	0	3	3	
SS 104	Life and Works of Rizal	3	0	3	3	
MATH ____	Theory of Probability	3	0	3	3	
MATH ____	Complex Analysis					Coreq: advanced calculus
MATH ____	Fundamentals of Computing II	3	0	3	3	Comp 107
MATH ____	Advanced Calculus	3	0	3	3	Math analysis III
RES 101	Introduction to Research	3	0	3	3	

**TOTAL 24**

<b>FOURTH YEAR First Semester</b>						
<b>Course Code</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
HUM 101	Introduction to Humanities : Art Appreciation	3	0	3	3	
MATH ____	Real Analysis	3	0	3	3	Advanced calculus
MATH ____	Discrete mathematics	3	0	3	3	Set theory and logic
MATH ____	Numerical Analysis	3	0	3	3	Linear algebra
MATH ____	Modern Geometry	3	0	3	3	Abstract algebra, Linear Algebra
MATH ____	Theory of Interest	3	0	3	3	Math 104
RES 102B	Oral Defense	1	0	1	1	

**TOTAL 21**

<b>FOURTH YEAR Second Semester</b>						
<b>Course Code</b>	<b>Descriptive Title of Course</b>	<b>Lec h/w</b>	<b>Lab h/w</b>	<b>Total h/w</b>	<b>Credit Units</b>	<b>Pre-requisite</b>
OJT	On-the-Job Training	0	0	0	10	4 <sup>th</sup> yr standing

**TOTAL 10**