



Republic of the Philippines
BATANGAS STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES

REVISED CURRICULUM
BACHELOR OF SCIENCE IN CHEMISTRY
Effective AY 2012-2013

FIRST YEAR * First Semester						
Course Code	Descriptive Title of the Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
*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 141	General Chemistry I	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 1	National Service Training Program I	3	0	3	3	
	TOTAL	28	6	34	27	

***For non-EPT passers**

FIRST YEAR * Second Semester						
COURSE CODE	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
*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
CHEM 142	General Chemistry II	3	6	9	5	CHEM 141
MATH 110	Analytic Geometry	3	0	3	3	MATH 104
MATH 114	Differential Calculus	5	0	5	5	MATH 104
PE 102	Rhythmic Activities	2	0	2	2	PE 101
NSTP 2	National Service Training Program II	3	0	3	3	
	TOTAL					

***For non-EPT passers**

FIRST YEAR * Summer						
COURSE CODE	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
*ENG 102	Study and Thinking Skills	3	0	3	3	ENG 101
CHEM 143	Analytical Chemistry I	3	6	9	5	
	TOTAL	6	6	12	8	

***For non- EPT passers**

SECOND YEAR * First Semester						
Course Code	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
ENG 103	Oral Communication	3	0	3	3	ENG 102
FIL 103	Masining na Pagpapahayag	3	0	3	3	FIL 102
CHEM 241	Organic Chemistry I	3	6	9	5	CHEM 142
PHY 106	Fundamentals of Physics I	4	3	7	5	MATH 107 MATH 114
MATH 115	Integral Calculus	5	0	5	5	MATH 114
S 103	Society and Culture with Responsible Parenthood	3	0	3	3	
SS 115	Seminar in Personality Development	1	0	1	1	
PE 103	Recreational Games and Sports	2	0	2	2	PE 102
	TOTAL	24	9	33	27	

SECOND YEAR * Second Semester						
Course Code	Descriptive Title of the Course	Lec h/w	Lab h/w	Total h/w	Credit units	Pre-requisite
ENG 104	Technical Writing	3	0	3	3	ENG 103
CHEM 242	Organic Chemistry II	3	6	9	5	CHEM 241
PHY 107	Fundamentals of Physics II	4	3	7	5	PHY 106
STAT 101	Fundamentals of Statistics	3	0	3	3	
MATH 120	Differential Equation	3	0	3	3	MATH 115
SS 106	Politics and Governance with Philippine Constitution	3	0	3	3	
PE 104	Team Sports	2	0	2	2	PE 103
	TOTAL	21	9	30	24	

SECOND YEAR * Summer						
Course Code	Descriptive Title of the Course	Lec h/w	Lab h/w	Total h/w	Credit units	Pre-requisite
CHEM 243	Analytical Chemistry II	4	3	7	5	CHEM 143
	TOTAL	4	3	7	5	

THIRD YEAR First Semester						
Course Code	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
CHEM 341	Physical Chemistry I	4	3	7	5	MATH 115 PHY 107
CHEM 343	Biochemistry I	4	3	7	5	CHEM 242
CHEM 345	Environmental Chemistry	3	3	6	4	CHEM 242 CHEM 343
PHY 108	Modern Physics	3	0	3	3	PHY 107
RES 101	Introduction to Research	3	0	3	3	Junior standing
SS 105	Basic Economics with Taxation and Land Reform	3	0	3	3	
LIT 101	Literature of the Philippines	3	0	3	3	
	TOTAL	23	9	32	26	

THIRD YEAR * Second Semester						
Course Code	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
CHEM 342	Physical Chemistry II	4	3	7	5	CHEM 341
CHEM 344	Biochemistry II	2	3	5	3	CHEM 243 CHEM 343
CHEM 346	Food Chemistry	2	3	5	3	CHEM 242 CHEM 243
NS 106	Science, Technology and Society	3	0	3	3	
LIT 102	Literature of the World	3	0	3	3	
HUM 105	Introduction to Logic	3	0	3	3	
SS102	Philippine History	3	0	3	3	
RES 102 A	Thesis Writing (Experimentation)	1	3	4	2	Junior Standing
	TOTAL	21	12	33	25	

FOURTH YEAR * First Semester						
Course Code	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
OJT	On-the-Job Training	0	0	0	10	Senior Standing
	TOTAL	0	0	0	10	

FOURTH YEAR * Second Semester						
Course Code	Descriptive Title of Course	Lec h/w	Lab h/w	Total h/w	Credit Units	Pre-requisite
CHEM 441	Advance Organic Chemistry	3	0	3	3	CHEM 242
CHEM 442	Inorganic Chemistry	3	0	3	3	
CHEM 444	Industrial Chemical Processes and Analysis	3	6	9	5	CHEM 243
CHEM 445	Natural Products Chemistry	3	0	3	3	CHEM 242 CHEM 243
CHEM 443	Physical Chemistry III	3	0	3	3	CHEM 342
CHEM 446	Professional Ethics with Comprehensive Examination	3	0	3	3	
SS 104	Life and Works of Rizal	3	0	3	3	
RES 102B	Oral Defense	1	0	1	1	
	TOTAL	22	6	28	24	