



RA 9299  
NOPS (1907)

Republic of the Philippines  
**Negros Oriental State University**  
NOTS (1927) EVSAT (1956) CVPC (1983)  
Kagawasan Ave., Dumaguete City, Negros Oriental, Philippines 6200

June 25, 2004

**BACHELOR OF SCIENCE IN CHEMISTRY**

Per CMO No. 47, series of 2017

Effective School Year 2018-2019

**FIRST YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 1	Understanding the Self	3		3	
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
FIL 1	Akademiko sa Wikang Filipino	3		3	
CHEM 100	Principles of Chemistry	3	2	5	
CHEM 101	Chemistry Tutorial 1	1		1	
PE 1	Physical Fitness and Health	2		2	
NSTP 1	National Service Training Program 1	3		3	
	<b>TOTAL</b>	<b>21</b>	<b>2</b>	<b>23</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 5	Purposive Communication	3		3	
GE 6	Art Appreciation	3		3	
GE 7	Science, Technology and Society	3		3	
MATH 100	Calculus I	5		5	
PHYS 1	Physics 1	3	2	5	
CHEM 102	Inorganic Chemistry 1	2	1	3	CHEM 100
CHEM 103	Chemistry Tutorial 2	1		1	
PE 2	Recreational Games and Sports	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP I
	<b>TOTAL</b>	<b>25</b>	<b>3</b>	<b>28</b>	

Enhancement (For OFF-TRACK Senior High School graduates)  
EN PRECAL Pre-Calculus 3

EN BACAL Basic Calculus 3

**SECOND YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
MATH 102	Calculus II	5		5	MATH 100
PHYS 2	Physics 2	3	2	5	PHYS 1
CHEM 200	Analytical Chemistry 1	3	2	5	CHEM 102
CHEM 201	Organic Chemistry 1	3	2	5	CHEM 102
CHEM 202	Chemistry Tutorial 3	1		1	2nd Year Standing
GEN BIO	General Biology	3	2	5	
PE 3	Rhythmic and Social Recreation	2		2	PE 1
	<b>TOTAL</b>	<b>20</b>	<b>8</b>	<b>28</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 10A	Living in the IT Era	3		3	
MATH 204	Statistics in Chemistry	3		3	
CHEM 203	Organic Chemistry 2	3	2	5	CHEM 201
CHEM 204	Physical Chemistry 1	3	2	5	CHEM 200, CHEM 201, MATH 102, PHYS 2
CHEM 205	Analytical Chemistry 2	3	2	5	CHEM 200, CHEM 201
CHEM 206	Chemistry Tutorial 4	1		1	2nd Year Standing
PE 4	Cultural Presentation & Sports Management	2		2	PE 1
	<b>TOTAL</b>	<b>18</b>	<b>6</b>	<b>24</b>	

**THIRD YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 4	Mathematics in the Modern World	3		3	
GE 9	Life and Works of Rizal	3		3	
LIT 1	Philippine Literature	3		3	
CHEM 300	Biochemistry 1	3	2	5	CHEM 203, CHEM 205
CHEM 301	Physical Chemistry 2	3	2	5	CHEM 204
CHEM 302	Analytical Chemistry 3	3	2	5	CHEM 205, CHEM 203
CHEM 303	Chemistry Tutorial 5	1		1	3rd Year Standing
	<b>TOTAL</b>	<b>19</b>	<b>6</b>	<b>25</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 8	Ethics	3		3	
BIO 200	Microbiology	3	2	5	CHEM 201
CHEM 304	Chemical Innovation	2	1	3	CHEM 205
CHEM 305	Physical Chemistry 3	3	3	6	CHEM 301
CHEM 306	Biochemistry 2	3	3	6	CHEM 300
CHEM 307	Introduction to Chemical Research Methods	1		1	3rd year standing
CHEM 308	Chemistry Tutorial 6	1		1	3rd year standing
Entrep	Entrepreneurship	3		3	
	<b>TOTAL</b>	<b>19</b>	<b>3</b>	<b>22</b>	

**SUMMER**

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
CHEM 309	Internship 1 (200 hours)	3		3	All Major Subjects and at least 90% of all subjects from first year to third year

**FOURTH YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 11	Gender and Society	3		3	
CHEM 401	Environmental Chemistry	3		3	CHEM 302
CHEM 402	Electrochemistry	3		3	CHEM 200, 302
CHEM 403	Inorganic Chemistry 2	2	1	3	CHEM 102
CHEM 404	Thesis	3		3	4th year standing
	<b>TOTAL</b>	<b>14</b>	<b>1</b>	<b>15</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 12	Philippine Popular Culture	3		3	
CHEM 405	Industrial Chemistry	3		3	CHEM 401
CHEM 406	Advanced Organic Chemistry	3		3	CHEM 203
CHEM 407	Research Writing and Seminar	2		2	CHEM 404
CHEM 408	Biochemistry 3	3		3	CHEM 306
	<b>TOTAL</b>	<b>14</b>	<b>0</b>	<b>14</b>	

First Revision: August 2020

**Summary**

	No. of Units
Gen. Education Curriculum	42
Core Courses	
i. Ancillary Courses	25
ii. Chemistry	60
Electives	29
Thesis and Professional Engagement	6
Physical Education	8
National Service Training Program	6
Enrichment	6
Total	182
With Enhancement (for SHS-Off track)	6
Total	188