



RA 9299  
NOPS (1907)

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

June 25, 2004  
CVPC (1983)

**BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY**  
Major in Electrical Technology

Effective School Year 2018-2019

BRIDGING PROGRAM (For Lifelong Learners and ALS Graduates)

First Semester			
<i>FIRST TERM:</i>			
BRG ENG	English for Academic and Professional Courses	3	
BRG MATH	General Mathematics	3	
BRG SCIENCE	Earth and Life Science	3	
BRG COM	Media and Information Literacy	3	
BRG PD	Personal Development	3	
<b>TOTAL</b>		<b>15</b>	

Second Semester			
<i>FIRST TERM:</i>			
AUTO	Automotive Servicing	5	
RAC	Refrigeration and Air-conditioning	5	
ELECT	Electrical Installation and Maintenance	5	
SMAW	Shielded Metal Arc Welding	5	
FOOD	Bread & Pastry and Cookery	5	
COMP	Computer Systems Servicing	5	
<b>TOTAL</b>		<b>5</b>	

Note: Students will choose only one Major

<i>SECOND TERM:</i>			
GE 1	Understanding the Self	3	
GE 4	Mathematics in the Modern World	3	
GE 5	Purposive Communication	3	
GE 6	Art Appreciation	3	
GE 7	Science, Technology and Society	3	
<b>TOTAL</b>		<b>15</b>	

<i>SECOND TERM:</i>			
GE 2	Readings in Philippine History	3	
GE 3	The Contemporary World	3	
GE 8	Ethics	3	
GE 9	Life and Works of Rizal	3	
FIL 1	Akademiko sa Wikang Filipino	3	
<b>TOTAL</b>		<b>15</b>	

**FIRST YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 8	Ethics	3		3	-
FIL 1	Akademiko sa Wikang Filipino	3		3	-
IT 100	Introduction to Information Technology	3		3	-
ID 1	Industrial Drawing 1 (Basic Drawing)	1	2	3	-
ELC 100	Electrical/Electronic Principles I (D.C. Circuits)	2	3	5	-
ELC 101	Occupational Health and Safety	2	3	5	-
PE 1	Physical Fitness and Health	2		2	-
NSTP 1	National Service Training Program 1	3		3	-
<b>TOTAL</b>		<b>19</b>	<b>8</b>	<b>27</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 5	Purposive Communication	3		3	
GE 10	Environmental Science	3		3	
IT 102	Programming 1	1	2	3	IT 100
ID 2	Industrial Drawing 2 (Blueprint Reading)	1	2	3	ID 1
ELC 102	Electrical/Electronic Principles II (A.C. Circuits)	2	3	5	ELC 100, ELC 101
ELC 103	Residential, Commercial & Ind. Wiring Installation	2	3	5	ELC 100, ELC 101
PE 2	Recreational Games and Sports	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP 1
<b>TOTAL</b>		<b>17</b>	<b>10</b>	<b>27</b>	

**SECOND YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
GE 11	Gender and Society	3		3	
AST 200	Digital Electronics	3		3	2nd Year Standing
IT 200	Technology Research 1	3		3	2nd Year Standing
IT 201	Intellectual Property Rights	3		3	2nd Year Standing
ELC 200	Signal & Communications Systems & Installation	2	3	5	ELC 102, ELC 103
ELC 201	Philippine Electrical Code	2	3	5	ELC 102, ELC 103
PE 3	Rhythmic and Social Recreation	2		2	PE 2
<b>TOTAL</b>		<b>24</b>	<b>6</b>	<b>30</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 6	Art Appreciation	3		3	
GE 7	Science, Technology and Society	3		3	
AST 201	Programming Controls	4		4	AST 200
IT 202	Materials Technology Management	4		4	IT 200, IT 201
IT 203	Technology Research 2	4		4	IT 200, IT 201
ELC 202	Illumination Designs	2	3	5	ELC 200, ELC 201
ELC 203	Electrical Machines	2	3	5	ELC 200, ELC 201
PE 4	Cultural Presentation and Sports Management	2		2	PE 3
<b>TOTAL</b>		<b>24</b>	<b>6</b>	<b>30</b>	

\* STUDENTS WHO HAVE COMPLETED WITH THE TWO-YEAR PROGRAM HAVE THE OPTION TO GRADUATE ASSOCIATE IN INDUSTRIAL TECHNOLOGY

**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	
AST 300	Pneumatic and Hydraulic Systems	4		4	AST 201
IT 300	Manufacturing Technology	3		3	IT 202
IT 301	Human Resource Management	3		3	3rd Year Standing
IT 302	Quality Control	3		3	AST 201, IT 202
ELC 300	Industrial Motor Controllers	2	3	5	ELC 202, ELC 203
ELC 301	Power Production and Management Systems	2	3	5	ELC 202, ELC 203
<b>TOTAL</b>		<b>23</b>	<b>6</b>	<b>29</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 1	Understanding the Self	3		3	
GE 12	Philippine Popular Culture	3		3	
AST 301	Foreign Language	3		3	3rd Year Standing
IT 303	Industrial Organization & Mgt. Practices	3		3	IT 301
IT 304	Industrial Psychology	3		3	IT 301
IT 305	Production Management	3		3	IT 300, IT 302
ELC 302	Instrumentation	1	2	3	ELC 300, ELC 301
ELC 303	Transmission and Distribution Systems	1	2	3	ELC 300, ELC 301
ELC 304	Automatic Control Systems	1	2	3	ELC 300, ELC 301
<b>TOTAL</b>		<b>21</b>	<b>6</b>	<b>27</b>	

**FOURTH YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ELC 400	Supervised Industrial Training 1 (700 Hours)	0	21	21	At least 90% of all 1st to 3rd subjects & all Major Subjects
<b>TOTAL</b>		<b>0</b>	<b>21</b>	<b>21</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ELC 401	Supervised Industrial Training 2 (700 Hours)	0	21	21	ELC 400
<b>TOTAL</b>		<b>0</b>	<b>21</b>	<b>21</b>	

First Revision: August 2020

**Summary**

General Education Courses	39
Professional Education Subjects	58
Major Courses	101
Physical Education (PE)	8
National Service Training Program (NSTP)	6
<b>TOTAL</b>	<b>212</b>