



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 INDUSTRIAL TECHNOLOGY

Major In Mechanical 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	
TOTAL		15	

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	
TOTAL		5	

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	
TOTAL		15	

<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	
TOTAL		15	

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	-
MECH 100	Metal Work Processes	2	3	5	-
MECH 101	Occupational Health & Safety	2	3	5	-
PE 1	Physical Fitness and Health	2		2	-
NSTP 1	National Service Training Program 1	3		3	-
TOTAL		19	8	27	

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
MECH 102	Metrology	2	3	5	MECH 100, 101
MECH 103	Sheet Metal and Iron Work Fab	2	3	5	MECH 100, 101
PE 2	Recreational Games and Sports	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP 1
TOTAL		17	10	27	

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	
IT 200	Technology Research 1	3		3	
IT 201	Intellectual Property Rights	3		3	
MECH 200	Drill Press and Processes	2	3	5	MECH 102, 103
MECH 201	Lathe Machines and Processes	2	3	5	MECH 102, 103
MECH 202	Fundamentals of Electronics	1	2	3	MECH 102, 103
PE 3	Rhythmic and Social Recreation	2		2	PE 2
TOTAL		22	8	30	

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	2nd year Standing
IT 202	Materials Technology Management	4		4	IT 200, IT 201
IT 203	Technology Research 2	4		4	IT 200, IT 201
MECH 203	Milling Machines and Processes	2	3	5	MECH 200, 201
MECH 204	Metallurgy and Heat Treatment	2	3	5	MECH 200, 201
PE 4	Cultural Presentation and Sports Management	2		2	PE 3
TOTAL		24	6	30	

* 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
MECH 300	Estimating and Costing	2	3	5	MECH 202, 203
MECH 301	Grinding Machine Operations & Processes	2	3	5	MECH 202, 203
TOTAL		23	6	29	

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
MECH 302	Tool & Die and Jigs & Fixtures Design	2	3	5	MECH 300, 301
MECH 303	Numerically Controlled Machine Operations	2	3	5	MECH 300, 301
TOTAL		22	6	28	

FOURTH YEAR

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

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

First Revision: August 2020

Summary

General Education Courses	No. of Units	39
Professional Education Subjects		58
Major Courses		102
Physical Education (PE)		8
National Service Training Program (NSTP)		6
TOTAL		213