



RA 9299

Republic of the Philippines

June 25, 2004

**Negros Oriental State University**

NOPS (1907)

NOTS (1927)

EVSAT (1956)

CVPC (1983)

Kagawasan Ave., Dumaguete City, Negros Oriental, Philippines 6200

**Bachelor of Science in Aviation Maintenance  
Major in Airframe and Powerplant  
Effective School Year 2018-2019**

**FIRST YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 1	Understanding the Self	3	0	3	-
GE 2	Readings in Philippine History	3	0	3	-
GE 3	The Contemporary World	3	0	3	-
AV Math	Aviation Mathematics	4	0	4	-
AV Phys	Aviation Physics	3	1	4	-
AMT 010	Fundamentals of Aerodynamics	4	0	4	-
AMT 011	Human Factors and Aviation Safety	3	0	3	-
PE 1	Physical Fitness and Health	2	0	2	-
NSTP1	National Service Training Program 1 (Air Force)	3	0	3	-
<b>Total</b>		<b>28</b>	<b>1</b>	<b>29</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 4	Mathematics in the Modern World	3	0	3	-
AV Drawing	TS, ID, and Blue Print Reading	2	1	3	AV Math
AMT 012	Electronic Fundamentals	2	0	2	AV Math
AMT 013	Electrical Fundamentals	3	1	4	AV Math
AMT 014	Aviation Legislation	3	0	3	-
AMT 015	Piston Engine 1	3	1	4	1st Year 1st Sem
AMT 016	Materials and Hardware	3	2	5	1st Year 1st Sem
PE 2	Recreational Games and Sports	2	0	2	PE 1
NSTP 2	National Service Training Program 2 (Air Force)	3	0	3	NSTP 1
<b>Total</b>		<b>24</b>	<b>5</b>	<b>29</b>	

**SECOND YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
FIL 1	Akademiko sa Wikang Filipino	3	0	3	-
PE 3	Rhythmic and Social Recreation	2	0	2	PE 1
AMT 020	Digital Techniques	2	1	3	AV Math
AMT 021	Aircraft Aerodynamics, Structures & Systems 1	2	2	4	AMT 016
AMT 022	Helicopters Aerodynamics, Structures and Systems 1	2	2	4	AMT 016
AMT 023	Piston Engine 2	2	2	4	AMT 015
AMT 024	Gas Turbine Engine 1	2	2	4	AMT 015
AMT 025	Maintenance Practices 1	3	2	5	AMT 016
<b>Total</b>		<b>18</b>	<b>11</b>	<b>29</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
FIL 2	Pagbasa at Pagsulat sa Iba't Ibang Disiplina	3	0	3	-
PE 4	Cultural Presentation & Sports Management	2	0	2	PE 1
AMT 026	Aircraft Aerodynamics, Structures & Systems 2	2	2	4	AMT 021
AMT 027	Helicopters Aerodynamics, Structures and Systems 2	2	2	4	AMT 022
AMT 028	Propellers	2	2	4	AMT 023
AMT 029	Gas Turbine Engine 2	2	2	4	AMT 024
AMT 030	Maintenance Practices 2	3	2	5	AMT 025
<b>Total</b>		<b>16</b>	<b>10</b>	<b>26</b>	

Students who finished the first two years of the curriculum have the option to apply for Graduation as AMT

**THIRD YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 5	Purposive Communication	3	0	3	-
GE 6	Art Appreciation	3	0	3	-
GE 9	Life and Works of Rizal	3	0	3	-
AV Phys 2	Physics 2	3	1	4	AV Phys
AV Math 121	Differential Calculus	3	0	3	AV Math, GE 4
AMT 030	CAD and Design 1	2	1	3	AV Draw
AMT 031	Aircraft Weight and Balance	3	0	3	AV Math
AMT 032	Aircraft Materials, Construction and Repair	4	0	4	AMT 016
<b>Total</b>				<b>26</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 7	Science, Technology and Society	3	0	3	-
GE 8	Ethics	3	0	3	-
LIT 1	World Literature	3	0	3	-
AV Math 122	Integral Calculus	3	0	3	AV Math 121
AMT 033	Probability and Statistics	3	0	3	AV Math, GE 4
AMT 034	Advance Composite and Safety	3	0	3	AMT 032
AMT 035	Fluid Mechanics (Pneumatic and Hydraulic)	2	1	3	AMT 032
AMT 036	Aircraft Carburetion and Ignition System	3	1	4	AMT 029
AMT 037	Subsonic Aerodynamics	4	0	4	AMT 010
<b>Total</b>		<b>27</b>	<b>2</b>	<b>29</b>	

**FOURTH YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
AMT 040	Rockets and Jet Propulsion System	3	0	3	4th Year Standing
AMT 041	Aircraft Mechanical Processes	3	0	3	4th Year Standing
AMT 042	Aircraft Maintenance, Inspection and Servicing	3	0	3	4th Year Standing
AMT 043	Aircraft Accident Investigation	3	0	3	-
AMT 044	Aircraft Manuals and Publications	3	0	3	-
AMT 045	Supersonic Aerodynamics	4	0	4	AMT 037
AMT 046	Aircraft Production, Maintenance, Planning and	3	0	3	-
AMT 047	Research Methods and Application	2	1	3	AMT 033
AMT 048	Aviation Safety Management System	2	0	2	-
<b>Total</b>		<b>26</b>	<b>1</b>	<b>27</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
AMT 049	OJT and Review	2	22	24	All Major Subjects
<b>Total</b>		<b>2</b>	<b>22</b>	<b>24</b>	

**Summary**

	No. of Units
General Education Courses	36
Core Courses	21
Specialized Courses	82
Special Professional Courses	42
Physical Education	8
NSTP	6
OJT and Review	24
<b>Total</b>	<b>219</b>