



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	-
Total		28	1	29	

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
Total		24	5	29	

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
Total		18	11	29	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 10	Environmental Science	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
Total		16	10	26	

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	-
GE 11	Gender and Society	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
Total		29			

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	-
GE 12	Philippine Popular Culture	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
Total		27	2	29	

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	-
Total		26	1	27	

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

First Revision: August 2020

Summary

General Education Courses	No. of Units	39
Core Courses		21
Specialized Courses		83
Special Professional Courses		67
Physical Education		8
NSTP		6
OJT and Review		24
Total		248