



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 Avionics (Aviation Electronics)
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 112	Electronic Fundamentals 1	3	1	4	AV Math
AMT 013	Electrical Fundamentals	3	1	4	AV Math
AMT 014	Aviation Legislation	3	0	3	-
AMT 115	Aircraft Structures & Systems 1	4	2	6	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		23	5	28	

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 120	Materials and Hardware	3	1	4	AV Phys, AMT 010
AMT 121	Electronic Fundamentals 2	2	2	4	AMT 112
AMT 122	Digital Techniques and Electronic Instrument	3	2	5	AMT 112, AMT 013
AMT 123	Aircraft Structures & Systems 2	3	3	6	AMT 115
Total		16	8	24	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
LIT 1	World Literature	3	0	3	
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 124	Maintenance Practices	3	1	4	AMT 120
AMT 125	Propulsion - Avionics System	2	2	4	AMT 121
AMT 126	Digital Techniques and Electronic Instrument System 2	3	2	5	AMT 122
AMT 127	Aircraft Structures & Systems 3	3	3	6	AMT 123
Total		19	8	27	

• 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 131	Aircraft Instrument System	2	1	3	AV Math
AMT 132	Aircraft Computers and Programming	3	1	4	AMT 126
Total		23	3	26	

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	
AV Math 122	Integral Calculus	3	0	3	AV Math 121
AMT 033	Probability and Statistics	3	0	3	AV Math, GE 4
AMT 134	Airport and Airways System	4	0	4	AMT 131
AMT 135	Radar Principles and Technology	3	0	3	AMT 131
AMT 136	Communication and Navigation System	3	0	3	AMT 131
AMT 037	Subsonic Aerodynamics	4	0	4	AMT 010
Total		26	0	26	

FOURTH YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
AMT 140	Avionics Maintenance, Inspection and Servicing	3		3	4th Year Standing
AMT 141	Data Communication System Analysis	3		3	4th Year Standing
AMT 142	Electro-Mechanical and Harnessing	3		3	4th Year Standing
AMT 043	Aircraft Accident Investigation	3		3	-
AMT 044	Aircraft Manuals and Publications	3		3	-
AMT 045	Supersonic Aerodynamics	4		4	AMT 037
AMT 046	Aircraft Production, Maintenance, Planning and	3		3	-
AMT 047	Research Methods and Application	2	1	3	AMT 033
AMT 048	Aviation Safety Management System	2		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	

Summary

	No. of Units
General Education Courses	36
Core Courses	21
Specialized Courses	74
Special Professional Courses	42
Physical Education	8
NSTP	6
OJT and Review	24
Total	211