



RA 9299

Negros Oriental State University

NOPS (1907)

NOTS (1927)

EVSAT (1956)

June 25, 2004

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

A Ladderized Program of **Aviation Maintenance Technology (AMT)**
NORSU BOR Resolution No. Series of Curriculum Revised SY 2019-2020

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	Basic Aerodynamics	4	0	4	-
AMT 011	Aviation Legislation	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	-
GE 5	Purposive Communication	3	0	3	-
GE 6	Art Appreciation	3	0	3	-
AMT 012	Electrical Fundamentals	3	1	4	AV Math
AV 010	Electronic Fundamentals 1	3	1	4	AV Math
AV 011	Aircraft Structures & Systems 1	4	2	6	1st Year 1st Sem Majors
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	4	28	

SECOND YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 7	Science, Technology and Society	3	0	3	-
GE 8	Ethics	3	0	3	-
PE 3	Rhythmic and Social Recreation	2	0	2	PE 2
AV 012	Materials and Hardware	3	1	4	AV Phys, AMT 010
AV 013	Electronic Fundamentals 2	2	2	4	AMT 112
AV 014	Digital Techniques and Electronic Instrument System 1	3	2	5	AMT 112, AMT 013
AV 015	Aircraft Structures & Systems 2	4	2	6	AMT 115
Total		20	7	27	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 9	Life and Works of Rizal	3	0	3	-
GE 10	Environmental Science	3	0	3	-
PE 4	Cultural Presentation & Sports Management	2	0	2	PE 1
AV 016	Maintenance Practices	3	2	5	AMT 120
AV 017	Propulsion - Avionics System	2	2	4	AMT 121
AV 018	Digital Techniques and Electronic Instrument System 2	3	2	5	AMT 122
AV 019	Aircraft Structures & Systems 3	4	2	6	AMT 123
Total		20	8	28	

• 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.
AV Phys 2	Physics 2	3	1	4	AV Phys
AV Math 121	Differential Calculus	3	0	3	AV Math, GE 4
AV Draw	TS, ID, and Blue Print Reading	2	1	3	AV Math
AMT 013	Human Factors and Aviation Safety	3	0	3	-
AV 020	Aircraft Instrument System	2	1	3	AV Math
AV 021	Aircraft Avionics and Autopilot System	3	1	4	AMT 126
Total		23	3	20	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 11	Gender and Society	3	0	3	-
GE 12	Philippine Popular Culture	3	0	3	-
AV Math 122	Integral Calculus	3	0	3	AV Math 121
AV Math 123	Probability and Statistics	3	0	3	AV Math, GE 4
AV 022	Airport and Airways System	2	1	3	AMT 131 & AMT 132
AV 023	Radar Principles and Technology	2	1	3	AMT 131 & AMT 132
AV 024	Communication and Navigation System	2	1	3	AMT 131 & AMT 132
AMT 104	Subsonic Aerodynamics	3	0	3	AMT 010
AV Draw 2	CAD and Design 1	2	1	3	AV Draw
Total		26	0	27	

FOURTH YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
AV 025	Avionics Maintenance, Inspection and Servicing	3	3	6	4th Year Standing
AV 026	Data Communication System Analysis	3	3	6	4th Year Standing
AV 027	Electro-Mechanical and Harnessing	3	3	6	4th Year Standing
AMT 015	Aircraft Accident Investigation	3	3	6	-
AMT 016	Aircraft Manuals and Publications	3	3	6	-
AMT 017	Supersonic Aerodynamics	3	3	6	AMT 037
AMT 018	Aircraft Production, Maintenance, Planning and Control	3	3	6	-
AMT 019	Research Methods and Application	2	1	3	AMT 033
AMT 020	Integrated Management System	3	3	6	-
Total		26	1	27	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
AMT 021	OJT and Review	0	24	24	All Major Subjects
Total		0	24	24	

First Revision: August 2020

- Cut-off grade for all major subjects is 2.5 or 80%
- Students who finished the first two years of the curriculum have the option to apply for Graduation as AMT
- AMT Students who want to proceed to BS Aviation Maintenance (BSAM) must have a GPA of at least 2.5
- Shifttees and transferees must have at least 2.5 in their GPA

Summary

General Education Courses	36
Core Courses	21
Specialized Courses	74
Special Professional Courses	41
Physical Education	8
NSTP	6
OJT and Review	24
Total	210