



Republic of the Philippines  
**NEGROS ORIENTAL STATE UNIVERSITY**  
 R.A. 9299



June 24, 2004  
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**COLLEGE OF INDUSTRIAL TECHNOLOGY**  
**AACUP Accredited Level II (RE-Accredited Status)**  
**TESDA- Registered Institution**  
 Phone : (63)(35) 225-9400-133  
**PROSPECTUS in BACHELOR OF SCIENCE IN AVIATION MAINTENANCE (BSAM)**  
 Major in  
**Avionics (Aviation Electronics)**  
 Course Curriculum, Revised SY 2011-2012

Name: \_\_\_\_\_ Year and Section: \_\_\_\_\_

FIRST SEMESTER SY _____					
FIRST YEAR					
Subject Code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
*Eng 0	Remedial English	0			
Eng 111	Basic English Communication I	3	Passed Eng. Qual. Exam		
Math 111	College Algebra	3			
Chem 111	General Chemistry 1	5			
Tech Draw 111	Fundamental of TS and ID	3			
P.E. 111	Physical Education 1	2			
NSTP111	National Service Training Program(Airforce)	3			
**AV 111	Theory of Flight	3			
**AV 112	Hand Tools and Industrial Safety	3			
<b>Total</b>		<b>25</b>			

SECOND SEMESTER					
SY _____					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
Eng 112	Basic English Communication 2	3	Eng 111		
Math 112	Plane Trigonometry	3	Math 111		
BCS 111	Computer Fundamental w/ Application	3			
Chem 112	General Chemistry 2	5			
Tech Draw 112	TS, ID, and Blue Print Reading	3	Tech Draw 111		
P.E. 112	Physical Education 2	2	P.E. 111		
NSTP 2	National Service Training Program(Airforce)	3	NSTP 1		
**AV 121	Aircraft Structures and Landing Gear	4			
<b>Total</b>		<b>26</b>			

SUMMER					
SY _____					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
Fil 111	SiningngPakikipagtalastasan	3			
Psych 111	General Psychology	3			
Socio 111	Culture, Society w/ Family Planning	3			
<b>Total</b>		<b>9</b>			

FIRST SEMESTER SY _____					
SECOND YEAR					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
Eng 127	Business Correspondence	3	Eng 112		
Lit 114	Philippine Literature	3	Eng 112		
Tech Math 121	Differential Calculus	3	Math 112		
Physics 121	Mechanics and Heat	5			
P.E. 121	Physical Education 3	2	P.E. 112		
**AV 211	(Aircraft Weight and Balance) elective	3	All 1 <sup>st</sup> year major subjects		
**AV 212	(Aviation Safety) elective	3	-do-		
**AV 213	Aircraft Electrics	3	-do-		
<b>Total</b>		<b>25</b>			

SECOND SEMESTER					
SY _____					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
Eng 122	Technical Writing & reporting	3	Eng 112		
Lit 115	World Literature	3			
Fil 112	Pagbasa at Pagsulat sa/ba'tlibang Desiplina	3	Fil 111		
Tech Math 122	Integral Calculus w/ Analytical Geometry	3	Tech Math 121		
Physics 122	Physics(Elec. Magnetism/Sound/Light)	5	Physics 121		
P.E. 122	Physical Education 4	2	P.E. 121		
**AV 214	Aircraft System	3	Math III		
**AV 215	Aircraft Marshalling	3	All 1 <sup>st</sup> year major subjects		
**AV 216	Electronics I	4			
<b>Total</b>		<b>29</b>			

SUMMERSY					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
Hist 111	Philippines History, Roots & Development	3	-		
Hist 141	Rizal's life, Works & Writings	3	-		
Econ 111	Basic Economics/Taxation and Agrarian Reform	3	-		
<b>Total</b>		<b>9</b>			

**THIRD YEAR**

FIRST SEMESTER					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
Philo 121/122	Logics and Ethics	3	-		
Pol Sci 122	New Constitution & Philippine Government	3	-		
Hum 141	Introduction to Humanities	3	-		
**AV 311	Principle of Communication	4	All 1 <sup>st</sup> year major subjects		
**AV 312	Electronics II	4	All 2 <sup>nd</sup> year major subjects		
**AV 313	(Research and Statistics) elective	3	Math III		
**AV 314	Antenna System	3	All 1 <sup>st</sup> year & 2 <sup>nd</sup> year major subjects		
**AV 318	Corrosion Protection & Control	3	All 1 <sup>st</sup> year & 2 <sup>nd</sup> year major subjects		
<b>Total</b>		<b>23</b>			

SECOND SEMESTER					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
**AV 315/AP 214	Digital Techniques	4	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 316	Airport and Airways System	4	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 317	Airborne Communication Electronics	4	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 323/AP 420	Aircraft Accident and Investigation	3	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 319	Aircraft Instruments System	4	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 320	Introduction to Aircraft Manuals/Documentation	3	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 321	Synchro Servo	4	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
**AV 322	Radar Principles and Technology	3	All 3 <sup>rd</sup> year 1 <sup>st</sup> semester major subjects		
<b>Total</b>		<b>29</b>			

**FOURTH YEAR**

FIRST SEMESTER					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
**AV 411	Autopilot System	3	All 3 <sup>rd</sup> year major subjects		
**AV 412	Communication System Analysis	3	All 3 <sup>rd</sup> year major subjects		
**AV 413	Micro-processor	3	All 3 <sup>rd</sup> year major subjects		
**AV 414	Electro-Mechanical and Harnessing	3	All 3 <sup>rd</sup> year major subjects		
**AV 415	Elements of Micro-wave	3	All 3 <sup>rd</sup> year major subjects		
**AV 416	Avionics Maintenance System and Management	3	All 3 <sup>rd</sup> year major subjects		
**AV 417	Data Communication	3	All 3 <sup>rd</sup> year major subjects		
**AV 418	Navigational Aid Maintenance	3	All 3 <sup>rd</sup> year major subjects		
**AV 419	Wire and Wireless Communication	3	All 3 <sup>rd</sup> year major subjects		
**AV 420	Electronics III	3	All 3 <sup>rd</sup> year major subjects		
<b>Total</b>		<b>30</b>			

SECOND SEMESTER					
Subject code	Descriptive Title	Units	Pre-requisite	Sem/SY Taken	Grade
**AP 421	OJT & Review	24	All major subjects		
<b>Total</b>		<b>24</b>			

- \*\*Cut-off grade for all major subjects is 2.5.
- Cut-off grade for minor subjects is 3.0 except for transferees from other institutions (2.5).