



INDIANA AEROSPACE UNIVERSITY

IAU Town Center Basak, Kagudoy Rd., Lapu-Lapu City

BACHELOR OF SCIENCE IN AIRCRAFT MAINTENANCE TECHNOLOGY

Revised Curriculum per CHED Memo Order No.93, S.2017

Effective Academic Year 2024 - 2025

FIRST YEAR

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Gen Ed 1	Contemporary World	3	0	3		Gen Ed 5	Mathematics in the Modern World	3	0	3	
Gen Ed 2	Understanding the Self with Integration on Mental Health	3	0	3		Gen Ed 6	Science, Technology and Society with Integration on Disaster Risk Reduction and Management	3	0	3	
Gen Ed 3	Readings in Phil. History with Integration of Indigenous People Studies	3	0	3		Draw 120	Engineering Drawing 2	3	0	3	Draw 100
Draw 100	Engineering Drawing 1	3	0	3		AMT 120 Lec	A/C Materials, Construction and Repairs 1 (Non-metals) Lecture	2	0	2	
AMT 111	Aviation Orientation	2	0	2		AMT 120 Lab	A/C Materials, Construction and Repairs 1 (Non-metals) Laboratory	0	6	2	
AMT 112	Aviation Safety	2	0	2		AMT 121 Lec	A/C Powerplant 1 (Reciprocating Engine) Lecture	3	0	3	
AMT113	Theory of Flight	3	0	3		AMT 121 Lab	A/C Powerplant 1 (Reciprocating Engine) Laboratory	0	3	1	
Theology 1	The Commandments and Morals	1	0	1		AMT 122	A/C Propellers	2	0	2	
PATHFIT 1	Movement Competency Training	2	0	2		AMT 123	Air Laws and Civil Air Regulations	3	0	3	
NSTP 1	National Service Training Program 1	3	0	3		Theology 2	The Creed	1	0	1	
Gen Ed 4	Purposive Communication	3	0	3		PATHFIT 2	Exercise-based Fitness Activities	2	0	2	PATHFIT 1
Total		28	0	28		NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
						Total		25	9	28	

SECOND YEAR

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Gen Ed 7	Ethics with Integration on Peace Education Studies	3	0	3		Gen Ed 9	Life and Works of Rizal	3	0	3	
Gen Ed 8	Art Appreciation	3	0	3		Gen Ed 10 Elec	Great Books	3	0	3	
AMT 210	A/C Systems	3	0	3		AMT 221 Lec	A/C Instruments (Lec)	2	0	2	AMT 210
AMT 211	A/C Fuel and Lubricants	3	0	3		AMT 221 Lab	A/C Instruments (Lab)	0	3	1	AMT 210
AMT 212 Lec	A/C Electrical System (AC-DC) Lec	2	0	2		AMT 222 Lec	Pwerplant Overhaul and Troubleshooting (Lec)	2	0	2	AMT 214 LEC & LAB
AMT 212 Lab	A/C Electrical System (AC-DC) Lab	0	3	1		AMT 222 Lab	Pwerplant Overhaul and Troubleshooting (Lab)	0	3	1	AMT 214 LEC & LAB
AMT 213 Lec	A/C Material, Construction and Repairs 2 (Metals) Lec	2	0	2	AMT 120	AMT 223 Lec	A/C Maintenance, Inspection, Repair and Servicing (Lec)	3	0	3	AMT 213 LEC & LAB
AMT 214 Lec	A/C Powerplant 2 (Turbine Engine) Lec	3	0	3	AMT 121	AMT 223 Lab	A/C Maintenance, Inspection, Repair and Servicing (Lab)	0	3	1	AMT 213 LEC&LAB
AMT 214 Lab	A/C Powerplant 2 (Turbine Engine) Lab	0	3	1	AMT 121	AMT 225 Lec	A/C Operation and Maintenance (Rotary Wing)	2	0	2	
Theology 3	The Sacraments	1	0	1		AMT 225 Lec	A/C System Overhaul and Troubleshooting (Lec)	2	0	2	AMT 210
PATHFIT 3	Group Exercise	2	0	2	PATHFIT 2	AMT 225 Lab	A/C System Overhaul and Troubleshooting (Lab)	0	3	1	AMT 210
AMT 213 LAB	A/C Material, Construction and Repairs 2 (Metals) Lab	0	6	2	AMT 223 LAB	Theology 4	Bible Study	1	0	1	
TOTAL		22	12	26		PATHFIT 4	Outdoor and Adventure Activities	2	0	2	PATHFIT 3
						TOTAL		20	12	24	

THIRD YEAR

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Research	Thesis Writing	3	0	3		Gen Ed 12 Elec	Gender and Society	3	0	3	
Mech 310	Engineering Mechanics	5	0	5	AMT 111	Mech 320	Strength of Materials	3	0	3	MECH 310
AMT 310	Thermodynamics	3	0	3	AMT 111	AMT 322 Lec	A/C Mechanical Processes (Lec)	3	0	3	AMT 223 LEC & LAB
AMT 311	Introduction to Rocket Propulsion	2	0	2	AMT 111	AMT 322 Lab	A/C Mechanical Processes (Lab)	0	3	1	AMT 223 LEC & LAB
AMT 321	Maintenance Planning and Production Control	3	0	3	AMT 123	AMT 323 Lec	A/C Engineering Analysis and Repair (Lec)	2	0	2	
AMT 320	Fundamentals of Aerodynamics	3	0	3	AMT 111	AMT 323 Lab	A/C Engineering Analysis and Repair (Lab)	0	3	1	AMT 223 LEC & LAB
Gen Ed 11 Elec	Entrepreneurial Mind	3	0	3		AMT 324	A/C Accident Investigation	2	0	2	AMT 111
TOTAL		22	0	22		AMT 411	Subsonic Aerodynamics	3	0	3	AMT 320
						AMT 412	Structures 1	3	0	3	MECH 310
						TOTAL		19	6	21	

FOURTH YEAR

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
AMT 420	A/C Structures 2	3	0	3	AMT 412	AMT 422	OJT/Practicum	6	0	6	
AMT 421	Suoersonic Aerodynamics	3	0	3	AMT 411						
Total		6	0	6				6	0	6	

FIRST YEAR	28+28=56 UNITS
SECOND YEAR	26+24= 50 Units
THIRD YEAR	22+21=43 Units
FOURTH YEAR	6+ 6= 12 Units
TOTAL	161 Units

Upon completion of the four-year program, the student is conferred the degree in Bachelor of Science in Aircraft Maintenance Technology (BSAMT) provided that he/she has undergone 1,200 hours On-the-Job- Training from a CAAP certified Approved Maintenance Organization (AMO).