



**INDIANA AEROSPACE UNIVERSITY**  
IAU Town Center Basak, Kagudoy Rd., Lapu-Lapu City  
**BACHELOR OF SCIENCE IN AVIATION TECHNOLOGY MAJOR IN FLYING**  
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	The Contemporary World	3	0	3	NA	Gen Ed 3	Reading in Philippine History with Integration of Indigenous People Studies	3	0	3	NA
Draw 100	Engineering Drawing 1	3	0	3	NA	Draw 120	Engineering Drawing 2	3	0	3	Draw 100
Gen Ed 2	Understanding the Self with Integration on Mental Health	3	0	3	NA	Gen Ed 4	Purposive Communication	3	0	3	NA
ATF 111	Theory of Flight	3	0	3	NA	ATF 121	Basic Weight & Balance	3	0	3	ATF 111
ATF 112	Basic Aircraft Instruments	3	0	3	NA	ATF 122	CAR/Emergency Procedures	3	0	3	ATF 113
ATF 113	ATC Procedures/Radio Comms	3	0	3	NA	ATF 123	A/C Powerplant (Recip Engines) Lec	3	0	3	ATF 112
Theology 1	The Commandments & Morals	1	0	1	NA	ATF 123	A/C Powerplant (Recip Engines) Lab	0	3	1	ATF 112
PATHFIT1	Movement Competency Training	2	0	2	NA	Theology 2	The Creed	1	0	1	
NSTP 1	National Service Training Program 1	3	0	3	NA	PATHFIT2	Exercise Based-Fitness Activities	2	0	2	PATHFIT1
		<b>24</b>	<b>0</b>	<b>24</b>		NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
								<b>24</b>	<b>3</b>	<b>25</b>	

**SECOND YEAR**

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Gen Ed 5	Mathematics in the Modern World	3	0	3	NA	Gen Ed 8	Art Appreciation	3	0	3	NA
Gen Ed 6	Science, Technology, and Society with Integration in the Disaster Risk Reduction and Management	3	0	3	NA	Gen Ed 9	The Life and Works of Rizal	3	0	3	NA
Gen Ed 7	Ethics with Integration on Peace Education Studies	3	0	3	NA	Gen Ed 10 elec	Great Books	3	0	3	NA
ATF 211	A/C Performance	3	0	3	ATF 121	Math 220	Integral Calculus	4	0	4	Math 211
ATF 212	Aviation Meteorology	4	0	4	NA	ATF 221	Flight Computer & Flight Plan	4	0	4	ATF 211
Math 210	Statistics	3	0	3	NA	ATF 222	Radio Navigation	3	0	3	ATF 112
Theology 3	The Sacraments	1	0	1		ATF 223	Human Factors with CRM	4	0	4	ATF 211
Math 211	Differential Calculus	4	0	4	NA	Theology 4	Bible Study	1	0	1	
PATHFIT3	Group Exercise	2	0	2	PATHFIT2	PATHFIT 4	Outdoor and Adventure Activities	2	0	2	PATHFIT3
		<b>26</b>	<b>0</b>	<b>26</b>				<b>27</b>	<b>0</b>	<b>27</b>	

**THIRD YEAR**

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Gen Ed 11 elec	Entrepreneurial Mind	3	0	3	NA	Gen Ed 12 elec	Gender and Society	3	0	3	NA
Mech 310	Engineering Mechanics	5	0	5	NA	ATF 320	Fundamentals of Aerodynamics	3	0	3	ATF 211
Mech 311	Thermodynamics	3	0	3	NA	ATF 321	IFR Charts and Proc.	4	0	4	ATF 222
ATF 311	A/C Propellers	2	0	2	ATF 123	ATF 322	Principles of Instrument Flight	3	0	3	ATF 112
ATF 312	A/C Fuels and Lubricants	3	0	3	ATF 123	ATF 323	A/C Materials, Const& Repairs (Non-Metals) (Lec)	2	0	2	Draw 120
ATF 313	Advance ATC Flight Environment	3	0	3	ATF 113	ATF 323	A/C Materials, Const& Repairs (Non-Metals) (Lab.)	0	6	2	Draw 120
Research 1	Thesis Writing 1	3	0	3		ATF 324	Turbine Systems (Lec)	3	0	3	ATF 311
		<b>22</b>	<b>0</b>	<b>22</b>		ATF 324	Turbine Systems (Lab)	0	3	1	ATF 311
								<b>18</b>	<b>9</b>	<b>21</b>	

**FOURTH YEAR**

FIRST SEMESTER						SECOND SEMESTER					
Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req	Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
ATF 410	A/C Systems	2	0	2	ATF 324	ATF 421	A/C Electrical System (AC-DC) (Lec)	2	0	2	ATF 410
ATF 411	Multi Engine Concepts	3	0	3	ATF 321	ATF 421	A/C Electrical System (AC-DC) (Lab)	0	3	1	ATF 410
ATF 412	Pilot Instructor Ratings 1	4	0	4	ATF 321	ATF 422	Pilot Instructor Rating 2	4	0	4	ATF 412
ATF 413	IFR Flight Consideration	4	0	4	ATF 321			<b>6</b>	<b>3</b>	<b>7</b>	
ATF 414	A/C Materials, Const& Repairs (Metals) (Lec)	2	0	2	DRAW 120						
ATF 414	A/C Materials, Const& Repairs (Metals) (Lab)	0	6	2	DRAW 120						
		<b>15</b>	<b>6</b>	<b>17</b>							

**Summary**

FIRST YEAR	24+25=49 UNITS	General Education	36 UNITS	Major/Specialization	4 <sup>th</sup> year	24 UNITS
SECOND YEAR	<b>26+27= 53 UNITS</b>	Professional Education Course	14 UNITS	Mandated		17 UNITS
THIRD YEAR	<b>22+21=43UNITS</b>	Major/Specialization	1 <sup>st</sup> year	19 UNITS	Math	11 UNITS
FOURTH YEAR	<b>17+7= 24 UNITS</b>	Major/Specialization	2 <sup>nd</sup> year	18 UNITS	Institutional	4 UNITS
<b>TOTAL</b>	<b>169 UNITS</b>	Major/Specialization	3 <sup>rd</sup> year	26 UNITS	<b>Total</b>	<b>169 UNITS</b>

Mandatory number of flight hours before proceeding to any 3<sup>rd</sup> year major subjects is 40 hours in preparation for CAAP minimum Private Pilot License requirement.

Mandatory number of flight hours before proceeding to any 4<sup>th</sup> year major subjects is 12 hours Cessna 172 time in preparation for CAAP minimum additional rating requirements.

Mandatory number of flight hours before proceeding to any 4<sup>th</sup> year 2<sup>nd</sup>sem major subjects is 32 hours Cessna 172 instrument time in preparation for CAAP minimum Commercial Pilot and Instrument Rating requirements.

Mandatory number of Flight hours for graduation is an accumulated flight time of 188 hours, of which 132 hours in Cessna 150, 52 hours in Cessna 172, 4 hours in Piper Aztec, and minimum 52 hours flight simulator. Total Flying Time is required for CAAP Commercial Pilot License and Instrument Rating Application, and Multi-Engine Experience.