



Republic of the Philippines
Philippine State College of Aeronautics
Piccio Garden, Villamor, Pasay City
INSTITUTE OF ENGINEERING & TECHNOLOGY
Bachelor of Science in Aeronautical Engineering
BSAeE Revised Curriculum 2018

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR	U	N	I	T	PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
1st Year - 1st Semester								
GEC 111	Mathematics in the Modern World	0.0	0.0	0.0	3.0	3.0		
Math 113	Calculus 1	0.0	0.0	0.0	3.0	3.0		
GEC 112	Reading in Philippine History	0.0	0.0	0.0	3.0	3.0		
GEC 113	Understanding the Self	0.0	0.0	0.0	3.0	3.0		
GEC 114	Science Technology and Society	0.0	0.0	0.0	3.0	3.0		
CHEM 114	Chemistry for Engineers	0.0	0.0	1.0	3.0	4.0		
CF 113	Character Formation	0.0	0.0	0.0	3.0	3.0		
PE 112	PE 1	0.0	0.0	0.0	2.0	2.0		
NSTP 1	CWTS 1/ROTC 1	0.0	0.0	0.0	(3.0)	(3.0)		
		0.0	0.0	1.0	23.0	24.0		
1st Year - 2nd Semester								
MATH 123	Calculus 2	0.0	0.0	0.0	3.0	3.0	GEC 111, Math 113	
MATH 122	Engineering Data Analysis	0.0	0.0	0.0	3.0	3.0	GEC 111	
PHY 124	Physics for Engineers	0.0	0.0	1.0	3.0	4.0	Math 113	
GEC 121	Purposive Communication	0.0	0.0	0.0	3.0	3.0		
GEC 122	Art Appreciation	0.0	0.0	0.0	3.0	3.0		
GEC 123	Contemporary World	0.0	0.0	0.0	3.0	3.0		
PE 122	PE2	0.0	0.0	0.0	2.0	2.0		
NSTP 2	CWTS 2/ROTC 2	0.0	0.0	0.0	(3.0)	(3.0)		
		0.0	0.0	1.0	20.0	21.0		
2nd Year - 1st Semester								
AE 214	Aircraft Materials Construction and Repair	0.0	0.0	2.0	2.0	4.0		
DRAW 212	Engineering Drawing 1	0.0	0.0	2.0	0.0	2.0		
MATH 213	Differential Equation	0.0	0.0	0.0	3.0	3.0	MATH 123	
GEC 213	Ethics	0.0	0.0	0.0	3.0	3.0		
AE 213	Elementary Electrical Engineering (AC/DC)	0.0	0.0	0.0	3.0	3.0	PHY 124	
AE 212	Basics Electronics	0.0	0.0	0.0	3.0	3.0	PHY 124	
GEC 214	GE Elective 1	0.0	0.0	0.0	3.0	3.0		
COMP 213	Computer Fundamental and Programming	0.0	0.0	1.0	0.0	1.0		
PE 212	PE 3	0.0	0.0	0.0	2.0	2.0		
		0.0	0.0	5.0	19.0	24.0		
2nd Year - 2nd Semester								
AE 223	Thermodynamics	0.0	0.0	0.0	3.0	3.0	PHY 124, MATH 213	
AE 222	Engineering Economics	0.0	0.0	0.0	3.0	3.0		
CADD 222	Computer Aided Drafting and Design 1	0.0	0.0	2.0	0.0	2.0	DRAW 212	
AE 224	Civil Air Laws and Regulation	0.0	0.0	0.0	4.0	4.0		
AE 221	Aircraft Systems	0.0	0.0	1.0	2.0	3.0	AE 212	
AE 225	Human Factors and Aviation Safety	0.0	0.0	0.0	3.0	3.0		
AE 226	Environmental Science	0.0	0.0	0.0	3.0	3.0		
GEC 223	GE Elective 2	0.0	0.0	0.0	3.0	3.0		
PE 222	PE 4	0.0	0.0	0.0	2.0	2.0		
		0.0	0.0	3.0	23.0	26.0		
3rd Year - 1st Semester								
AE 314	Aeronautical Laboratory 1	0.0	0.0	1.0	1.0	2.0	AE 214	AE 311
AE 311	Aerodynamics 1	0.0	0.0	0.0	4.0	4.0	MATH 213, AE 223	
MECH 314	Static of Rigid Bodies	0.0	0.0	0.0	4.0	4.0	PHY 124	
CADD 312	Computer Aided Drafting and Design 2	0.0	0.0	2.0	0.0	2.0	CADD 222	
AE 315	Powerplant 1	0.0	0.0	1.0	3.0	4.0	AE 223	
AE 312	Aircraft Avionics and Autopilot Systems	0.0	0.0	0.0	3.0	3.0	AE 221	
GEC 313	GE Elective 3	0.0	0.0	0.0	3.0	3.0		
PerDev 313	Personality Development	0.0	0.0	0.0	3.0	3.0		
		0.0	0.0	4.0	21.0	25.0		

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T L E C	PRE-REQUISITE	CO-REQUISITE
3rd Year - 2nd Semester					
MECH 323	Dynamic of Rigid Bodies	0.0	0.0	0.0 3.0 3.0	PHY 124, MATH 213
AE 324	Aeronautical Laboratory 2	0.0	0.0	1.0 1.0 2.0	AE 314
AE 321	Aerodynamics 2	0.0	0.0	0.0 4.0 4.0	AE 311
MECH 324	Mechanics of Deformable Bodies	0.0	0.0	0.0 4.0 4.0	MECH 314
AE 325	Powerplant 2	0.0	0.0	1.0 3.0 4.0	AE 315
AE 322	Engineering Management	0.0	0.0	0.0 2.0 2.0	
AE 323	Strategic Operation, Supply Chain and Material Management	0.0	0.0	0.0 2.0 2.0	AE 222
RIZAL 323	Life and Works of Rizal	0.0	0.0	0.0 3.0 3.0	
TECH 323	Technopreneurship	0.0	0.0	0.0 3.0 3.0	AE 222
		0.0	0.0	2.0 25.0 27.0	
4th Year - 1st Semester					
AE 415	Aircraft Structures 1	0.0	0.0	0.0 4.0 4.0	MECH 324
AE 416	Aircraft Design 1	0.0	0.0	1.0 3.0 4.0	CADD 312, AE 321
AE 412	Basic Helicopter and Propeller Design	0.0	0.0	1.0 3.0 4.0	CADD 312, AE 321
AE 411	Aerodynamics 3	0.0	0.0	0.0 4.0 4.0	AE 311, AE 321
AE 413	Air Transport Economics and Management	0.0	0.0	0.0 2.0 2.0	AE 222, TECH 323
AE 414	Research Methods and Application	0.0	0.0	1.0 2.0 3.0	
AE 410	Aeronautical Engineering Practice (OJT)	0.0	0.0	0.0 3.0 3.0	
		0.0	0.0	3.0 21.0 24.0	
4th Year - 2nd Semester					
AE 425	Aircraft Structures 2	0.0	0.0	0.0 4.0 4.0	AE 415
AE 426	Aircraft Design 2	0.0	0.0	1.0 3.0 4.0	AE 415, AE 416
AE 423	Unmanned Aerial System Design	0.0	0.0	1.0 2.0 3.0	AE 415, AE 416
AE 421	Reliability Engineering	0.0	0.0	0.0 3.0 3.0	
AE 422	Aircraft Production, Maintenance, Planning and Control	0.0	0.0	0.0 3.0 3.0	AE 323
AE 424	Aerodrome Engineering and Management	0.0	0.0	0.0 3.0 3.0	AE 322
AE 420	Elective	0.0	0.0	0.0 3.0 3.0	
		0.0	0.0	2.0 21.0 23.0	



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SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T L E C T	PRE-REQUISITE	CO-REQUISITE
1st Year - 1st Semester					
AVT 1101	Theory of Flight	0.0	2.0	0.0 2.0	2.0
AVT 1102	Handtools	0.0	2.0	1.0 2.0	3.0
AVT 1103	Test Equipment	0.0	0.0	1.0 2.0	3.0
AVT 1104	Aircraft Electrics	0.0	3.0	1.0 3.0	4.0
AVT 1105	Weight and Balance	0.0	0.0	1.0 1.0	2.0
AVT 1106	Applied Physics & Chemistry	0.0	3.0	1.0 3.0	4.0
GEC 1106	Mathematics in Modern World	0.0	0.0	0.0 3.0	3.0
Draw 1101	Engineering Drawing 1	6.0	0.0	2.0 0.0	2.0
PE 1101	Physical Education 1	0.0	0.0	0.0 2.0	2.0
NSTP 1101	CWTS/ROTC	0.0	0.0	0.0 (3.0)	(3.0)
		6.0	10.0	7.0 18.0	25.0
1st Year - 2nd Semester					
AVT 1207	Aircraft Instrument System	0.0	0.0	1.0 3.0	4.0
AVT 1208	Antenna System	0.0	0.0	1.0 2.0	3.0
AVT 1209	Civil Air Regulation	0.0	0.0	0.0 3.0	3.0
AVT 1210	Principle of Communication	0.0	0.0	0.0 3.0	3.0
AVT 1211	Electronics 1	0.0	0.0	1.0 3.0	4.0
AVT 1212	Aircraft System	0.0	0.0	1.0 1.0	2.0
DRAW 1202	Mechanical Drawing and Blueprint Reading	0.0	0.0	2.0 0.0	2.0
PE 1202	Physical Education 2	0.0	0.0	0.0 2.0	2.0
NSTP 1202	CWTS/ROTC 2	0.0	0.0	0.0 (3.0)	(3.0)
		0.0	0.0	6.0 17.0	23.0
2nd Year - 1st Semester					
AVT 2113	Corrosion Protection and Control	0.0	0.0	1.0 1.0	2.0
AVT 2114	Electronics II	0.0	0.0	1.0 3.0	4.0
AVT 2115	Aviation Safety	0.0	0.0	0.0 3.0	3.0
AVT 2116	Digital Techniques	0.0	0.0	1.0 3.0	4.0
GEC 2101	Art Appreciation	0.0	0.0	0.0 3.0	3.0
GEC 2102	Reading in Philippine History	0.0	0.0	0.0 3.0	3.0
GEC 2110	Entrepreneurial Mind	0.0	0.0	0.0 3.0	3.0
PE 2103	Physical Education 3	0.0	0.0	0.0 2.0	2.0
		0.0	0.0	3.0 21.0	24.0
2nd Year - 2nd Semester					
AVT 2217	Airport and Airways	0.0	0.0	0.0 3.0	3.0
AVT 2218	Airborne Communication Electronics	0.0	0.0	1.0 3.0	4.0
AVT 2219	Electronics III	0.0	0.0	1.0 3.0	4.0
AVT 2220	Radio Laws	0.0	0.0	0.0 2.0	2.0
GEC 2207	The Contemporary World	0.0	0.0	0.0 3.0	3.0
GEC 2208	Ethics	0.0	0.0	0.0 3.0	3.0
GEC 2211	Philippine Pop Culture	0.0	0.0	0.0 3.0	3.0
PE 2204	Physical Education 4	0.0	0.0	0.0 2.0	2.0
		0.0	0.0	2.0 22.0	24.0

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T LAB	LEC	CREDIT	PRE-REQUISITE	CO-REQUISITE
3rd Year - 1st Semester							
AVT 3121	Auto Pilot	0.0	0.0	1.0	2.0	3.0	AVT 1212, AVT 2116, AVT 2219
AVT 3122	Radar Principles & Technique	0.0	0.0	1.0	2.0	3.0	AVT 1208, AVT 2218, AVT 2219
AVT 3123	Communication System Analysis	0.0	0.0	0.0	3.0	3.0	AVT 1210
AVT 3124	Maintenance Form & Publications	0.0	0.0	1.0	2.0	3.0	AVT 1209
AVT 3125	Fundamental of Aerodynamics	0.0	0.0	0.0	4.0	4.0	AVT 1101
GEI 3102	Personal Development	0.0	0.0	0.0	3.0	3.0	
GEC 3109	The life and work of Rizal	0.0	0.0	0.0	3.0	3.0	
GEI 3101	Character Building	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	3.0	22.0	25.0	
3rd Year - 2nd Semester							
AVT 3226	On-The-Job Training	0.0	0.0	8.0	0.0	8.0	
		0.0	0.0	8.0	-	8.0	
4th Year - 1st Semester							
AVT 4127	Navigation Aid Maintenance	0.0	0.0	1.0	2.0	3.0	AVT 3122, AVT 3123
AVT 4128	Synchro Servo	0.0	0.0	1.0	3.0	4.0	AVT 3121
AVT 4129	Professional Ethics	0.0	0.0	0.0	3.0	3.0	
AVT 4130	Microprocessor	0.0	0.0	1.0	2.0	3.0	AVT 3121
AVT 4131	Thesis Writing 1	0.0	0.0	0.0	3.0	3.0	
GEC 4112	Environmental Science	0.0	0.0	0.0	3.0	3.0	
GEC 4103	Science Technology and Society	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	3.0	19.0	22.0	
4th Year - 2nd Semester							
AVT 4232	Electro Mechanical and Harnessing	0.0	0.0	1.0	0.0	1.0	AVT 4130
AVT 4233	Avionics Maintenance System Management	0.0	0.0	0.0	3.0	3.0	
AVT 4234	Data Communication	0.0	0.0	0.0	3.0	3.0	AVT 3123
AVT 4235	Wire and Wireless Communication	0.0	0.0	1.0	3.0	4.0	
AVT 4236	Seminar & Field Trip (Supply Catalog)	0.0	0.0	2.0	1.0	3.0	
AVT 4237	Thesis Writing 2	0.0	0.0	0.0	3.0	3.0	AVT 4131
GEC 4204	Purposive Communication	0.0	0.0	0.0	3.0	3.0	
GEC 4205	Understanding the Self	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	4.0	19.0	23.0	



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BSAMT -Revised 2018

SUBJECT CODE	DESCRIPTIVE TITLE	HOURLY UNIT	PRE-REQUISITE	CO-REQUISITE
		LAB LEC	LAB LEC	CREDIT
1st Year - 1st Semester				
AMT 1101	Airport and Airways	0 0	0 0	3 0 3 0
AMT 1102	Theory of Flights	0 0	0 0	2 0 2 0
AMT 1103	Aircraft Handtools and Equipments	0 0	0 0	1 0 2 0 3 0
AMT 1104	Aircraft Powerplant 1 (Reciprocating Engine)	0 0	0 0	1 0 3 0 4 0
AMT 1105	Aircraft Structures and Landing Gears	0 0	0 0	1 0 1 0 2 0
DRAW 1102	Engineering Drawing 1	0 0	0 0	2 0 0 0 2 0
GEC 1102	Reading in the Philippine History	0 0	0 0	0 0 3 0 3 0
GEC 1106	Mathematics in Modern World	0 0	0 0	0 0 3 0 3 0
PE 1102	Physical Fitness/Conditioning	0 0	0 0	0 0 2 0 2 0
NSTP 1101	CWTS/ROTC 1	0 0	0 0	0 0 (3 0) (3 0)
		0 0	5 0	19 0 24 0
1st Year - 2nd Semester				
AMT 1201	Aircraft System	0 0	0 0	1 0 3 0 4 0
AMT 1202	Aircraft Flight Controls	0 0	0 0	1 0 1 0 2 0
AMT 1203	Aircraft Propeller	0 0	0 0	1 0 1 0 2 0
AMT 1204	Corrosion Protection and Control	0 0	0 0	1 0 1 0 2 0
AMT 1205	Aircraft Materials Const And Repair I (Sheet Metal)	0 0	0 0	1 0 3 0 4 0
AMT 1206	Aircraft Powerplant II (Turbo Prop & Jet Engine)	0 0	0 0	1 0 3 0 4 0
AMT 1207	Applied Physics & Chemistry	0 0	0 0	1 0 2 0 3 0
DRAW 1202	Mechanical Drawing and Blueprint Reading	0 0	0 0	2 0 0 0 2 0
PE 1202	Rhythmic Activities	0 0	0 0	0 0 2 0 2 0
NSTP 1202	CWTS/ROTC 2	0 0	0 0	0 0 (3 0) (3 0)
		0 0	9 0	16 0 25 0
2nd Year - 1st Semester				
AMT 2101	Aircraft Electrical & Ignition System	0 0	0 0	1 0 2 0 3 0
AMT 2102	Aircraft Instrument (Fixed and Rotary)	0 0	0 0	1 0 1 0 2 0
AMT 2103	Aircraft Fuels and Lubricants	0 0	0 0	1 0 1 0 2 0
AMT 2104	Helicopter Operation and Maintenance	0 0	0 0	1 0 1 0 2 0
AMT 2105	Aviation Safety	0 0	0 0	0 0 3 0 3 0
AMT 2106	Aircraft Materials, Const & Rpr II (Composite)	0 0	0 0	1 0 3 0 4 0
AMT 2107	Aircraft Manuals, Catalog & Documentation	0 0	0 0	1 0 1 0 2 0
AMT 2108	Aircraft Maintenance Organization & Management	0 0	0 0	0 0 2 0 2 0
GEC 2108	Ethics	0 0	0 0	0 0 3 0 3 0
PE 2103	Individual/Dual Sports	0 0	0 0	0 0 2 0 2 0
		0 0	6 0	19 0 25 0
2nd Year - 2nd Semester				
AMT 2201	Aircraft Accident Investigation	0 0	0 0	0 0 2 0 2 0
AMT 2202	Aircraft Maintenance Inspection and Servicing	0 0	0 0	1 0 3 0 4 0
AMT 2203	Aircraft Powerplant Overhaul & Troubleshooting	0 0	0 0	1 0 3 0 4 0
AMT 2204	Aircraft Environment and Auxiliary System	0 0	0 0	1 0 2 0 3 0
AMT 2205	Air Laws & Civil Air Regulations	0 0	0 0	0 0 3 0 3 0
AMT 2206	Aircraft Weight & Balance & Load Cntr'l Proc	0 0	0 0	1 0 1 0 2 0
AMT 2207	Professional Ethics & Practices	0 0	0 0	0 0 3 0 3 0
AMT 2208	Communication and Navigation System	0 0	0 0	1 0 1 0 2 0
PE 2204	Team Sports / Games	0 0	0 0	0 0 2 0 2 0
		0 0	5 0	20 0 25 0
3rd Year - 1st Semester				
AMT 3101	Introduction to Rocket Propulsion System	0 0	0 0	0 0 2 0 2 0
AMT 3102	Engineering Mechanics	0 0	0 0	0 0 5 0 5 0
AMT 3103	Fundamentals of Aerodynamics	0 0	0 0	0 0 4 0 4 0
GEC 3101	Art Appreciation	0 0	0 0	0 0 3 0 3 0
GEC 3103	Science and Technologies and Society	0 0	0 0	0 0 3 0 3 0
GEC 3104	Purposive Communication	0 0	0 0	0 0 3 0 3 0
GEC 3105	Understanding the Self	0 0	0 0	0 0 3 0 3 0
		0 0	0 0	23 0 23 0
3rd Year - 2nd Semester				
AMT OJT 1	On-The-Job Training	0 0	8 0	0 0 8 0
		0 0	8 0	- 8 0

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U LEC	N LAB	I LEC	T CREDIT	PRE-REQUISITE	CO-REQUISITE
4th Year - 1st Semester								
AMT 4101	Aircraft Structure I	0.0	0.0	0.0	3.0	3.0	AMT 3102	
AMT 4102	Subsonic/Applied Aerodynamics	0.0	0.0	0.0	4.0	4.0	AMT 3103	
AMT 4103	Aircraft Mechanical Processes	0.0	0.0	1.0	3.0	4.0	AMT 1205	
AMT 4104	Thesis Writing I	0.0	0.0	0.0	3.0	3.0		
GEC 4107	Contemporary World	0.0	0.0	0.0	3.0	3.0		
GEC 4109	The Life and Work Rizal	0.0	0.0	0.0	3.0	3.0		
GEC 4110	Entrepreneurial Mind	0.0	0.0	0.0	3.0	3.0		
		0.0	0.0	1.0	22.0	23.0		
4th Year - 2nd Semester								
AMT 4201	Aircraft Structures II	0.0	0.0	0.0	3.0	3.0	AMT 4101	
AMT 4202	Maintenance Planning and Control	0.0	0.0	0.0	4.0	4.0	AMT 2105, AMT 2108	
AMT 4203	Supersonic Aerodynamics	0.0	0.0	0.0	4.0	4.0	AMT 4102	
AMT 4204	AMT Seminar and Field Trip	0.0	0.0	2.0	1.0	3.0		
AMT 4205	Thesis Writing II	0.0	0.0	0.0	3.0	3.0		
GEC 4211	Philippine Pop Culture	0.0	0.0	0.0	3.0	3.0		
GEC 4212	Environmental Science	0.0	0.0	0.0	3.0	3.0		
		0.0	0.0	2.0	21.0	23.0		



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INSTITUTE OF LIBERAL ARTS & SCIENCES

Bachelor of Science

Major in Aviation Communication

Bachelor of Science in Supply Chain Management with Specialization in Aviation Logistics

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T L E C R E D I T	PRE-REQUISITE	CO-REQUISITE
1st Year - 1st Semester					
GEC 1101	Art Appreciation	0.0	0.0	0.0 3.0 3.0	
GEC 1102	Reading in the Philippine History	0.0	0.0	0.0 3.0 3.0	
GEC 1103	Science Technology and Society	0.0	0.0	0.0 3.0 3.0	
GEC 1104	Purposive Communication	0.0	0.0	0.0 3.0 3.0	
GEC 1105	Understanding the Self	0.0	0.0	0.0 3.0 3.0	
GEC 1110	Philippine Popular Culture	0.0	3.0	0.0 3.0 3.0	
AVCORE 1101	Basic Aviation English	0.0	0.0	0.0 3.0 3.0	
PE 1101	Physical Education 1	0.0	0.0	0.0 2.0 2.0	
NSTP 1101	CWTS/ROTC 1	0.0	0.0	0.0 (3.0) (3.0)	
		0.0	3.0	0.0 23.0 23.0	
1st Year - 2nd Semester					
GEC 1206	Mathematics in the Modern World	0.0	0.0	0.0 3.0 3.0	
GEC 1207	The Contemporary World	0.0	0.0	0.0 3.0 3.0	
GEC 1208	Ethics	0.0	0.0	0.0 3.0 3.0	
GEC 1212	Environmental Science	0.0	0.0	0.0 3.0 3.0	
GEC 1210	Philippine Popular Culture	0.0	3.0	0.0 3.0 3.0	
GEI 1201	Character Building	0.0	0.0	0.0 3.0 3.0	
AVCORE 1202	Aviation Fundamentals I	0.0	0.0	0.0 3.0 3.0	
PE 1202	Physical Education 2	0.0	0.0	0.0 2.0 2.0	
NSTP 1202	CWTS/ROTC 2	0.0	0.0	0.0 (3.0) (3.0)	
		0.0	3.0	0.0 23.0 23.0	
2nd Year - 1st Semester					
AVCORE 2103	Aviation Safety and Security	0.0	3.0	0.0 3.0 3.0	
AVCORE 2104	Introduction to Dangerous Goods	0.0	3.0	0.0 3.0 3.0	
AVCORE 2105	Aviation Fundamentals 2	0.0	3.0	0.0 3.0 3.0	
SPLOG 2101	Logistics Entrepreneurship	0.0	3.0	0.0 3.0 3.0	
SPLOG 2102	Logistics and Supply Chain Management	0.0	3.0	0.0 3.0 3.0	
SPLOG 2103	Airline Public Relation and Ethics	0.0	3.0	0.0 3.0 3.0	
AVLOG 2101	Air Freight Operations Management	0.0	3.0	0.0 3.0 3.0	
AVLOG 2102	Business Transportation Management	0.0	3.0	0.0 3.0 3.0	
PE 2103	Physical Education 3	0.0	0.0	0.0 2.0 2.0	
		0.0	24.0	0.0 26.0 26.0	
2nd Year - 2nd Semester					
AVCORE 2206	International Aviation Law	0.0	3.0	0.0 3.0 3.0	
AVCORE 2207	Human Factors	0.0	3.0	0.0 3.0 3.0	
AVCORE 2208	Civil Aviation Industry	0.0	3.0	0.0 3.0 3.0	
SPLOG 2204	Principles of Marketing Practices	0.0	3.0	0.0 3.0 3.0	
SPLOG 2205	Management of Accounting	0.0	0.0	0.0 3.0 3.0	
SPLOG 2206	Airport Management Operations	0.0	0.0	0.0 3.0 3.0	
SPLOG 2203	Applied Business Finances	0.0	0.0	0.0 3.0 3.0	
PE 2204	Physical Education 4	0.0	0.0	0.0 2.0 2.0	
GEI 2202	Personal Development	0.0	0.0	0.0 3.0 3.0	
		0.0	12.0	0.0 26.0 26.0	

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T LAB	U N I T LEC	CREDIT	PRE-REQUISITE	CO-REQUISITE
3rd Year - 1st Semester							
SPLOG 3108	Airport Economic Planning	0.0	0.0	0.0	3.0	3.0	
SPLOG 3107	Airline Management Structure and Organization	0.0	0.0	0.0	3.0	3.0	
AVLOG 3110	Product and Services Development Management	0.0	0.0	0.0	3.0	3.0	
AVLOG 3105	Enterprise Resource Planning in Logistics Operations	0.0	0.0	0.0	3.0	3.0	
GEC 3109	The life and work of Rizal	0.0	0.0	0.0	3.0	3.0	
AVLOG 3107	Customs Law and Regulation	0.0	0.0	0.0	3.0	3.0	
AVLOG 3109	Air Cargo Traffic and Forecasting	0.0	0.0	0.0	3.0	3.0	
AVLOG 3108	Logistics and Business Analysis	0.0	0.0	0.0	3.0	3.0	
AVLOG 3106	Logistics Marketing Management	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	0.0	27.0	27.0	
3rd Year - 2nd Semester							
AVCORE 3209	Aviation Research	0.0	0.0	0.0	3.0	3.0	
THESIS 3201	Research Methodology	0.0	0.0	0.0	3.0	3.0	
SPLOG 3209	ERP Application to Air Freight Forwarding Operation	0.0	0.0	0.0	3.0	3.0	
SPLOG 3210	Business Finance	0.0	0.0	0.0	3.0	3.0	
AVLOG 3211	Customs Brokerage Operations	0.0	0.0	0.0	3.0	3.0	
AVLOG 3212	International Freight Forwarding Management	0.0	0.0	0.0	3.0	3.0	
AVLOG 3213	Logistics in Airline Industry	0.0	0.0	0.0	3.0	3.0	
GEC 2	Personality Development	0.0	0.0	0.0	3.0	3.0	
AVLOG 3214	ERP Database Management System	0.0	0.0	1.0	3.0	4.0	
		0.0	0.0	1.0	27.0	28.0	
4th Year - 1st Semester							
OJT 4102	Internship (On-The-Job Training)	0.0	0.0	9.0	0.0	9.0	
		0.0	0.0	9.0	-	9.0	
4th Year - 2nd Semester							
SPLOG 4211	Integration	0.0	0.0	0.0	3.0	3.0	
THESIS 4202	Thesis Writing	0.0	0.0	0.0	3.0	3.0	
AVLOG 4115	Advanced Dangerous Goods Handling	0.0	0.0	1.0	3.0	4.0	
		0.0	0.0	1.0	9.0	10.0	



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SUBJECT CODE	DESCRIPTIVE TITLE	H O U R	U	N	I	T	PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
1st Year - 1st Semester								
GEC 1106	Mathematics in Modern World	0.0	0.0	0.0	3.0	3.0		
GEC 1107	The Contemporary World	0.0	0.0	0.0	3.0	3.0		
GEC 1108	Ethics	0.0	0.0	0.0	3.0	3.0		
AVCORE 1102	Aviation Fundamentals	0.0	0.0	0.0	3.0	3.0		
GEI 1101	Character Building	0.0	0.0	0.0	3.0	3.0		
PE 1101	Physical Education 1	0.0	0.0	0.0	2.0	2.0		
EL1110	Entrepreneurial Minds	0.0	0.0	0.0	3.0	3.0		
NSTP 1101	CWTS/ROTC 1	0.0	0.0	0.0	(3.0)	(3.0)		
EL 1112	Environment Science	0.0	0.0	0.0	3.0	3.0		
		0.0	0.0	0.0	23.0	23.0		
1st Year - 2nd Semester								
GEC 1201	Art Appreciation	0.0	0.0	0.0	3.0	3.0		
GEC 1202	Readings in Philippines History	0.0	0.0	0.0	3.0	3.0		
GEC 1203	Science Technology and Society	0.0	0.0	0.0	3.0	3.0		
GEC 1204	Purposive Communication	0.0	0.0	0.0	3.0	3.0		
GEC 1205	Understanding the Self	0.0	0.0	0.0	3.0	3.0		
PE 1202	Physical Education 2	0.0	0.0	0.0	2.0	2.0		
EL 1211	Philippine Pop Culture	0.0	0.0	0.0	3.0	3.0		
NSTP 1202	CWTS/ROTC 2	0.0	0.0	0.0	(3.0)	(3.0)		
AVCORE 1201	Basic Aviation English	0.0	0.0	1.0	3.0	4.0		
		0.0	0.0	1.0	23.0	24.0		
2nd Year - 1st Semester								
AVCORE 2103	Aviation Safety and Security	0.0	3.0	0.0	3.0	3.0		
AVCORE 2104	Introduction to Dangerous Goods	0.0	3.0	0.0	3.0	3.0		
AVCORE 2105	Fundamental of Aviation 2	0.0	0.0	0.0	3.0	3.0	AVCORE 1102	AVCORE 1102
SPTOUR 2101	Travel and Tour Management	0.0	3.0	0.0	3.0	3.0		
SPTOUR 2102	Global Tourism , Geography & Culture	0.0	3.0	0.0	3.0	3.0		
AVTOUR 2101	Tourism 1	0.0	3.0	0.0	3.0	3.0		
AVTOUR 2102	Risk Management as Applied to Safety, Security and Sanitation	0.0	3.0	0.0	3.0	3.0		
AVTOUR 2103	Philippine Tourism, Geography and Culture	0.0	3.0	0.0	3.0	3.0		
PE 2103	Physical Education 3	0.0	0.0	0.0	2.0	2.0		
		0.0	21.0	0.0	26.0	26.0		
2nd Year - 2nd Semester								
AVCORE 2207	Human Factors	0.0	3.0	0.0	3.0	3.0		
AVCORE 2208	Civil Aviation Industry	0.0	3.0	0.0	3.0	3.0		
SPTOUR 2203	Tourism and Aviation Service Quality Management	0.0	3.0	0.0	3.0	3.0		
SPTOUR 2204	Sustainable Tourism	0.0	3.0	0.0	3.0	3.0		
SPTOUR 2205	Applied Business Tools and Technologies (GDS)	0.0	3.0	0.0	3.0	3.0		
AVTOUR 2204	Tourism 2	0.0	3.0	0.0	3.0	3.0		
AVTOUR 2205	Ecotourism Management	0.0	3.0	0.0	3.0	3.0		
PE 2204	Physical Education 4	0.0	0.0	0.0	2.0	2.0		
AVCORE 2206	International Aviation Law	0.0	3.0	0.0	3.0	3.0		
		0.0	24.0	0.0	26.0	26.0		

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T LAB	U N I T LEC	CREDIT	PRE-REQUISITE	CO-REQUISITE
3rd Year - 1st Semester							
AVCORE 3109	Aviation Research	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3107	Multicultural Diversity in Workplace for the Tourism Professional	0.0	0.0	0.0	3.0	3.0	
SPTOUR 3106	Airport Management and Operations	0.0	0.0	0.0	3.0	3.0	
SPTOUR 3107	Tourism Policy Planning and Development	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3106	Heritage Tourism	0.0	0.0	0.0	3.0	3.0	
GEC 3109	The life and work of Rizal	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3108	Travel Writings and Photography	0.0	0.0	0.0	3.0	3.0	
SPTOUR 3108	Tourism Marketing	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	0.0	24.0	24.0	
3rd Year - 2nd Semester							
THESIS 3201	Research Methodology	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3209	Operation Management in Tourism Industry	0.0	0.0	0.0	3.0	3.0	
GEI 3202	Personality Development	0.0	0.0	0.0	3.0	3.0	
SPTOUR 3209	Transportation Management(Cover Air / Land Sea)	0.0	0.0	0.0	3.0	3.0	
SPTOUR 3210	Entrepreneurship in Tourism	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3210	Tour Guiding	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3211	Legal Aspects in Tourism	0.0	0.0	0.0	3.0	3.0	
AVTOUR 3212	Front Office Operation	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	0.0	24.0	24.0	
4th Year - 1st Semester							
OJT Practicum	OJT Practicum	0.0	0.0	9.0	0.0	9.0	
SPTOUR 4111	Foreign Language 1	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	9.0	3.0	12.0	
4th Year - 2nd Semester							
THESIS 4202	Thesis Writing	0.0	0.0	0.0	3.0	3.0	
AVTOUR 4214	Introduction to MICE	0.0	0.0	0.0	3.0	3.0	
AVTOUR 4213	Food Sector Industry	0.0	0.0	0.0	3.0	3.0	
SPTOUR 4212	Foreign Language 2	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	0.0	12.0	12.0	



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SUBJECT CODE	DESCRIPTIVE TITLE	HOUR	U	N	I	T	PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
1st Year - 1st Semester								
GEC 1101	Art Appreciation	0.0	0.0	0.0	3.0	3.0		
GEC 1102	Reading in the Philippine History	0.0	0.0	0.0	3.0	3.0		
GEC 1103	Science Technology and Society	0.0	0.0	0.0	3.0	3.0		
GEC 1104	Purposive Communication	0.0	0.0	0.0	3.0	3.0		
GEC 1105	Understanding the Self	0.0	0.0	0.0	3.0	3.0		
GEC 1110	Philippine Popular Culture	0.0	3.0	0.0	3.0	3.0		
AVCORE 1101	Basic Aviation English	0.0	0.0	0.0	3.0	3.0		
PE 1	Physical Education 1	0.0	0.0	0.0	2.0	2.0		
NSTP 1101	CWTS/ROTC 1	0.0	0.0	0.0	(3.0)	(3.0)		
		0.0	3.0	0.0	23.0	23.0		
1st Year - 2nd Semester								
GEC 1206	Mathematics in the Modern World	0.0	0.0	0.0	3.0	3.0		
GEC 1207	The Contemporary World	0.0	0.0	0.0	3.0	3.0		
GEC 1208	Ethics	0.0	0.0	0.0	3.0	3.0		
GEC 1211	Entrepreneurial Minds	0.0	3.0	0.0	3.0	3.0		
GEC 1212	Environmental Science	0.0	0.0	0.0	3.0	3.0		
GEI 1201	Character Building	0.0	0.0	0.0	3.0	3.0		
AVCORE 1202	Aviation Fundamentals I	0.0	0.0	0.0	3.0	3.0		
PE 1202	Physical Education 2	0.0	0.0	0.0	2.0	2.0	PE 1	
NSTP 1202	CWTS/ROTC 2	0.0	0.0	0.0	(3.0)	(3.0)	NSTP 1101	
		0.0	3.0	0.0	23.0	23.0		
2nd Year - 1st Semester								
AVCORE 2103	Aviation Safety and Security	0.0	3.0	0.0	3.0	3.0		
AVCORE 2104	Introduction to Dangerous Goods	0.0	3.0	0.0	3.0	3.0		
AVCORE 2105	Aviation Fundamentals 2	0.0	3.0	0.0	3.0	3.0		
SPCOMM 2101	Organizational Communication	0.0	3.0	0.0	3.0	3.0		
SPCOMM 2102	Communication Theories and Practices	0.0	3.0	0.0	3.0	3.0		
AVCOMM 2101	General Air Traffic Services	0.0	3.0	0.0	3.0	3.0		
AVCOMM 2102	Air Traffic Rules and Procedures	0.0	3.0	0.0	3.0	3.0		
AVCOMM 2103	Introduction to Flight Operations	0.0	3.0	0.0	3.0	3.0		
PE 2103	Physical Education 3	0.0	0.0	0.0	2.0	2.0	PE 1	
		0.0	24.0	0.0	26.0	26.0		
2nd Year - 2nd Semester								
AVCORE 2206	International Aviation Law	0.0	3.0	0.0	3.0	3.0		
AVCORE 2207	Human Factors	0.0	3.0	0.0	3.0	3.0		
AVCORE 2208	Civil Aviation Industry	0.0	3.0	0.0	3.0	3.0		
SPCOMM 2203	Aviation Development Communication	0.0	3.0	0.0	3.0	3.0		
SPCOMM 2204	Aviation English Language proficiency	0.0	3.0	0.0	3.0	3.0		
SPCOMM 2205	Communication in Aerospace Management	0.0	3.0	0.0	3.0	3.0		
AVCOMM 2204	Phraseology 1 (Aerodrome)	3.0	3.0	1.0	3.0	4.0		
AVCOMM 2205	Aeronautical Fixed Service Operation	0.0	3.0	0.0	3.0	3.0		
PE 2204	Physical Education 4	0.0	0.0	0.0	2.0	2.0	PE 1	
		3.0	24.0	1.0	26.0	27.0		
3rd Year - 1st Semester								
SPCOMM 3107	Aviation Digital Signal Detection and Processing System	0.0	0.0	0.0	3.0	3.0		
AVCOMM 3108	Flight Performance	0.0	0.0	0.0	3.0	3.0		
SPCOMM 3106	Airport Management Operations	0.0	0.0	0.0	3.0	3.0		
AVCOMM 3106	Phraseology II	0.0	0.0	1.0	3.0	4.0		
AvCore 3109	Aviation Research	0.0	0.0	0.0	3.0	3.0		
SPCOMM 3108	Aerodrome Navigation Safety Oversight	0.0	0.0	0.0	3.0	3.0		
AVCOMM 3107	Weight and Balance	0.0	0.0	0.0	3.0	3.0		
GEC 3109	The life and work of Rizal	0.0	0.0	0.0	3.0	3.0		
		0.0	0.0	1.0	24.0	25.0		

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T LAB	U N I T LEC	CREDIT	PRE-REQUISITE	CO-REQUISITE
3rd Year - 2nd Semester							
GEI 3202	Personality Development	0.0	0.0	0.0	3.0	3.0	
SPCOMM 3209	Aviation Information and Communication Technology	0.0	0.0	0.0	3.0	3.0	
AVCOMM 3209	Phraseology III (Area Control)	0.0	0.0	1.0	3.0	4.0	
AVCOMM 3210	Aeronautical Mobile Station Operation	0.0	0.0	0.0	3.0	3.0	
AVCOMM 3211	Radio Communication, Navigation and Instrument	0.0	0.0	0.0	3.0	3.0	
THESIS 3201	Research Methodology	0.0	0.0	0.0	3.0	3.0	
SPCOMM 3210	Aviation Accident Investigation Report Writing	0.0	0.0	0.0	3.0	3.0	
AVCOMM 3212	Aviation Meteorology	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	1.0	24.0	25.0	
4th Year - 1st Semester							
OJT 4101	ON-THE-JOB TRAINING	0.0	0.0	9.0	0.0	9.0	
		0.0	0.0	9.0	-	9.0	
4th Year - 2nd Semester							
THESIS 4202	Thesis Writing	0.0	0.0	0.0	3.0	3.0	
AVCOMM 3213	Flight Service Station Operation	0.0	0.0	0.0	3.0	3.0	
SPCOMM 4211	Flight Planning	0.0	0.0	0.0	3.0	3.0	
SPCOMM 4212	Integration	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	0.0	12.0	12.0	



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SUBJECT CODE	DESCRIPTIVE TITLE	HOURLY UNIT	PRE-REQUISITE	CO-REQUISITE
		LAB LEC	LAB LEC	CREDIT
1st Year - 1st Semester				
GEC 1101	Art Appreciation	0.0 0.0	0.0 3.0	3.0
GEC 1102	Reading in the Philippine History	0.0 0.0	0.0 3.0	3.0
GEC 1103	Science Technology and Society	0.0 0.0	0.0 3.0	3.0
GEC 1104	Purposive Communication	0.0 0.0	0.0 3.0	3.0
GEC 1105	Understanding the Self	0.0 0.0	0.0 3.0	3.0
GEC 1110	Philippine Popular Culture	0.0 3.0	0.0 3.0	3.0
AVCORE 1101	Basic Aviation English	0.0 0.0	0.0 3.0	3.0
PE 1101	Physical Education 1	0.0 0.0	0.0 2.0	2.0
NSTP 1101	CWTS/ROTC 1	0.0 0.0	0.0 (3.0)	(3.0)
		0.0 3.0	0.0 23.0	23.0
1st Year - 2nd Semester				
GEC 1206	Mathematics in the Modern World	0.0 0.0	0.0 3.0	3.0
GEC 1207	The Contemporary World	0.0 0.0	0.0 3.0	3.0
GEC 1208	Ethics	0.0 0.0	0.0 3.0	3.0
GEC 1211	Entrepreneurial Minds	0.0 3.0	0.0 3.0	3.0
GEC 1212	Environmental Science	0.0 0.0	0.0 3.0	3.0
GEI 1201	Character Building	0.0 0.0	0.0 3.0	3.0
AVCORE 1202	Aviation Fundamentals I	0.0 0.0	0.0 3.0	3.0
PE 1202	Physical Education 2	0.0 0.0	0.0 2.0	2.0
NSTP 1202	CWTS/ROTC 2	0.0 0.0	0.0 (3.0)	(3.0)
		0.0 3.0	0.0 23.0	23.0
2nd Year - 1st Semester				
AVCORE 2103	Aviation Safety and Security	0.0 3.0	0.0 3.0	3.0
AVCORE 2104	Introduction to Dangerous Goods	0.0 3.0	0.0 3.0	3.0
AVCORE 2105	Aviation Fundamentals 2	0.0 3.0	0.0 3.0	3.0
SPSaS 2101	Introduction to Aviation Business Industry	0.0 3.0	0.0 3.0	3.0
SPSaS 2102	Foundation of Information Security	0.0 3.0	0.0 3.0	3.0
AvSaS 2101	Principles of Accident Investigation	0.0 3.0	0.0 3.0	3.0
AvSaS 2102	Industrial Security	0.0 3.0	0.0 3.0	3.0
AvSaS 2103	Safety and Security of Airport Ground Operations	0.0 3.0	0.0 3.0	3.0
PE 2103	Physical Education 3	0.0 0.0	0.0 2.0	2.0
		0.0 24.0	0.0 26.0	26.0
2nd Year - 2nd Semester				
AVCORE 2206	International Aviation Law	0.0 3.0	0.0 3.0	3.0
AVCORE 2207	Human Factors	0.0 3.0	0.0 3.0	3.0
AVCORE 2208	Civil Aviation Industry	0.0 3.0	0.0 3.0	3.0
SPSaS 2203	Corporate Security & Management Operations	0.0 3.0	0.0 3.0	3.0
SPSaS 2204	Information Protection and Security	0.0 3.0	0.0 3.0	3.0
SPSaS 2205	Airline and Operations Safety Management	0.0 3.0	0.0 3.0	3.0
AvSaS 2204	Wildlife and Management	0.0 3.0	0.0 3.0	3.0
AvSaS 2205	Environment and Security	0.0 3.0	0.0 3.0	3.0
PE 2204	Physical Education 4	0.0 0.0	0.0 2.0	2.0
		0.0 24.0	0.0 26.0	26.0
3rd Year - 1st Semester				
AvSaS 3106	Aircraft Accident Investigation	0.0 0.0	0.0 3.0	3.0
SPSaS 3108	Occupational Safety	0.0 0.0	0.0 3.0	3.0
SPASaS 3107	Ergonomics	0.0 0.0	0.0 3.0	3.0
SPSaS 3106	Airport Management Operations	0.0 0.0	0.0 3.0	3.0
AvSaS 3108	Aviation Security and Technology	0.0 0.0	0.0 3.0	3.0
AvSaS 3107	Safety Management Program	0.0 0.0	0.0 3.0	3.0
AvCore 3109	Aviation Research	0.0 0.0	0.0 3.0	3.0
GEC 3109	The life and work of Rizal	0.0 0.0	0.0 3.0	3.0
		0.0 0.0	0.0 24.0	24.0

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	U N I T LAB	U N I T LEC	CREDIT	PRE-REQUISITE	CO-REQUISITE
3rd Year - 2nd Semester							
GEI 3202	Personal Development	0.0	0.0	0.0	3.0	3.0	
SPSaS 3209	Foundation of Terrorism	0.0	0.0	0.0	3.0	3.0	
SPSaS 3210	Personality and Profiling	0.0	0.0	0.0	3.0	3.0	
AvSaS 3209	Security Investigation & Interview	0.0	0.0	0.0	3.0	3.0	
AvSaS 3210	Introduction to Global Security	0.0	0.0	0.0	3.0	3.0	
AvSaS 3211	Emergency Management & Contingency Planning	0.0	0.0	0.0	3.0	3.0	
AvSaS 3212	System Safety in Aviation	0.0	0.0	0.0	3.0	3.0	
THESIS 1	Methods of Research	0.0	3.0	0.0	3.0	3.0	
		0.0	3.0	0.0	24.0	24.0	
4th Year - 1st Semester							
OJT 1	On-The-Job Training	0.0	0.0	9.0	0.0	9.0	
		0.0	0.0	9.0	-	9.0	
4th Year - 2nd Semester							
SPSaS 4211	Human Behavior in Organization	0.0	0.0	0.0	3.0	3.0	
SPSaS 4212	Integration Exam	0.0	0.0	0.0	3.0	3.0	
AvSaS 4213	National Security Issues and Terrorism	0.0	0.0	0.0	3.0	3.0	
AvSaS 4214	Physical Security and Design	0.0	0.0	0.0	3.0	3.0	
THESIS 4202	Thesis Writing	0.0	0.0	0.0	3.0	3.0	
		0.0	0.0	0.0	15.0	15.0	



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 Piccio Garden, Villamor, Pasay City
INSTITUTE OF COMPUTER STUDIES
BACHELOR OF SCIENCE IN INFORMATION SYSTEM
 With Specialization in Aviation Information System
 (Revised based on RQUAT NCR Recommendation 2024)



FIRST YEAR
FIRST SEMESTER

<i>Subject Code</i>	<i>Subject Description</i>	<i>Lab</i>	<i>Lec</i>	<i>Unit</i>	<i>Hrs</i>	<i>Pre-requisite</i>
GEC 1	Art Appreciation	0	3	3	3	
GEI 1	Character Building	0	3	3	3	
GEC 10	Entrepreneurial Minds	0	3	3	3	
GEC 4	Purposive Communication	0	3	3	3	
IS 111	Introduction to Computing	1	2	3	5	
IS 112	Programming 1	1	2	3	5	
AIS 111	Airline Operation and Procedures	0	3	3	3	
AIS 112	Aviation Fundamentals	0	2	2	2	
PATHFIT 1	Physical Education 1	0	2	2	2	
NSTP 1	CWTS/ROTC 1	(-9-)		(-3-)		
TOTAL		2	123	125	291	

SECOND SEMESTER

GEC 5	Understanding the Self	0	3	3	3	
GEC 6	Mathematics in the Modern world	0	3	3	3	
GEC 11	Philippine Popular Culture	0	3	3	3	
GEC 12	Environmental Science	0	3	3	3	
IS 121	Fundamentals of Information System	1	2	3	5	IS 111
IS 122	Programming 2	1	2	3	5	IS 112
AIS 121	Aviation Customer Relationship Management	0	3	3	3	
AIS ELEC 1	Professional Elective 1	0	3	3	3	
PATHFIT 2	Physical Education 2	0	2	2	2	
NSTP 2	CWTS 2/ROTC 2	(-9-)		(-3-)		NSTP 1
TOTAL		2	24	26	30	

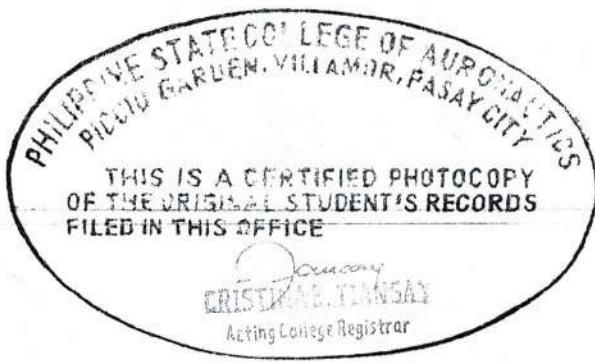
SECOND YEAR

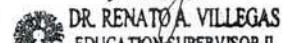
FIRST SEMESTER

GEC 7	Contemporary World	0	3	3	3	
GEC 2	Reading in the Philippine History	0	3	3	3	
IS 211	Data Structure and Algorithm	1	2	3	5	IS 122
IS 212	IT Infrastructure and Network Technologies	1	2	3	5	IS 111
IS 213	Professional Issues in Information Systems	0	3	3	3	
IS 214	Organization and Management Concept	0	3	3	3	IS 121
AIS 211	Basic Airline Ticketing	0	3	3	3	
PATHFIT 3	Physical Education 3	0	2	2	2	
TOTAL		2	21	23	27	

SECOND SEMESTER

GEC 3	Science Technology and Society	0	3	3	3	
IS 221	System Analysis and Design	0	3	3	3	IS 122
IS 222	Web Design and Development	1	2	3	5	
IS 223	Financial Management	0	3	3	3	
AIS 221	Advanced Airline Ticketing	0	3	3	3	AIS 211
AIS ELEC 2	Professional Elective 2	0	3	3	3	
PATHFIT 4	Physical Education 4	0	2	2	2	
TOTAL		1	19	20	22	



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THIRD YEAR
FIRST SEMESTER

GEC 8				
IS 311	Ethics	0	3	3
IS 312	Information Management	1	2	3
IS 313	Enterprise Architecture	0	3	3
IS 314	Business Process Management	0	3	3
AIS 311	Quantitative Method	0	3	3
AIS 312	Basic Air Cargo Handling	0	3	3
AIS 313	In-Flight Servicing Procedure	0	3	3
	Air Laws and Civil Air Regulation	0	3	3
	TOTAL	1	23	24
				26

SECOND SEMESTER

GEC 9				
IS 321	The Life and Works of Rizal	0	3	3
IS 322	Capstone Project 1	0	3	3
IS 323	Aviation IS Project Management	0	3	3
AIS 321	Evaluation of Business Performance	0	3	3
AIS 322	Airport Administration and Supervision	0	3	3
AIS Elec 3	Advanced Air Cargo Handling	0	3	3
	Professional Elective 3	0	3	3
	TOTAL	0	21	21
				21

FOURTH YEAR

FIRST SEMESTER

IS 411				
IS 412	Capstone Project 2	0	3	3
IS 413	Application Development and Emerging Technologies	1	2	3
AIS 412	AS Strategy Management and Acquisition	0	3	3
AIS Elec 4	Airport and Ramp Handling Procedures	0	3	3
AIS Elec 5	Professional Elective 4	0	3	3
	Professional Elective 5	0	3	3
	TOTAL	1	17	18
				20

SECOND SEMESTER

IS 421	Internship/On-the-Job Training/Practicum(486)			
	TOTAL	6	0	6

15 148 163 198

70% of
the Total
number of
Units

PROFESSIONAL ELECTIVES

AIS ELEC 1	Airline Reservation
AIS ELEC 2	Human Computer Interaction
AIS ELEC 3	Aviation Enterprise Resource Planning
AIS ELEC 4	Aviation Supply Chain Management System
AIS ELEC 5	Aviation Safety and Management

Remarks :

1. Prior to the enrollment of a 4th-year student, the student must have completed their academic subjects in the third year.

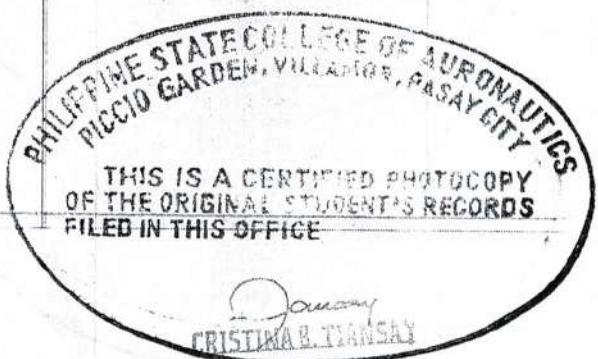
2) To qualify for graduation from this program, students must meet the minimum requirement of 486 hours of On-the-Job training/Internship program.

3) Upon completion of the four-year program, the student will be granted a diploma in Bachelor of Science in Information Systems with Specialization in Aviation Information Systems.

Prepared by: *Erickson Antonio, MIT*
ERICKSON ANTONIO, MIT
BSIS, Program Head

Noted by: *Assoc. Prof. Bett B. Apostol*
ASSOC. PROF. BETT B. APOSTOL
Dean, ICS

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PHILIPPINE STATE COLLEGE OF AERONAUTICS
INSTITUTE OF COMPUTER STUDIES
Piccio Garden, Villamor, Pasay City



A Four Year Program Leading to the Degree of
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(With Specialization in Aviation Information Technology)

Subject Code	Subject Description	Lec	Lab	Units	Hours	Pre-requisites
FIRST YEAR	FIRST SEMESTER					
GEC 1	Art Appreciation	3	0	3	3	
GEC 2	Readings in Philippine History	3	0	3	3	
GEC 5	Understanding the Self	3	0	3	3	
PATHFIT 1	Physical Education I	2	0	2	2	
IT 111	Introduction to Computing	2	1	3	5	
IT 112	Computer Programming 1 (Java)	2	1	3	5	
IT 113	Web System, Technologies and Development	2	1	3	5	
AIT 111	Aviation Fundamentals	2	0	2	2	
NSTP 1	CWTS/ROTC 1	0	(-9-)	(-2-)	(-9-)	
	TOTAL	19	3	22	28	
FIRST YEAR	SECOND SEMESTER					
GEC 6	Mathematics in the Modern World	3	0	3	3	
GEC 8	Ethics	3	0	3	3	
PATHFIT 2	Physical Education 2	2	0	2	2	
IT 121	Computer Networking 1	2	1	3	5	
IT 122	Computer Programming 2	2	1	3	5	IT 112
IT 123	Introduction to Human Computer Interaction	3	0	3	3	IT 112
IT 124	Discrete Mathematics	3	0	3	3	IT 111
AIT 121	Air Laws and Civil Air Regulation	3	0	3	3	
NSTP 2	CWTS/ROTC 2	0	(-9-)	(-3-)	(-9-)	
	TOTAL	21	2	23	27	
SECOND YEAR	FIRST SEMESTER					
GEC 4	Purposive Communication	3	0	3	3	
PATHFIT 3	Physical Education 3	2	0	2	2	
IT 211	Computer Networking 2	2	1	3	5	IT 121
IT 212	Object Oriented Programming	2	1	3	5	IT 122
IT 213	Data Structure and Algorithms	2	1	3	5	IT 122
IT 214	Advanced Web Programming	2	1	3	5	IT 113
IT 215	Quantitative Method(Modeling and Simulation)	3	0	3	3	
AIT Elec 1	Professional Elective 1	3	0	3	3	
	TOTAL	19	4	23	31	
SECOND YEAR	SECOND SEMESTER					
GEI 1	Character Building	3	0	3	3	
GEC 111	Environmental Science	3	0	3	3	
PATHFIT 4	Physical Education 4	2	0	2	2	
IT 221	Aviation Information Management 1	2	1	3	5	IT 212
AIT 221	Drone Application and Development	2	1	3	5	
AIT 222	Airport IoT Security	3	0	3	3	
AIT Elec 2	Professional Elective 2	3	0	3	3	
AIT Elec 3	Professional Elective 3	3	0	3	3	
	TOTAL	21	2	23	27	
THIRD YEAR	FIRST SEMESTER					
GEC 9	Life and Works of Rizal	3	0	3	3	
GEC 3	Science Technology and Society	3	0	3	3	
GEC 10	Entrepreneurial Minds	3	0	3	3	
IT 311	Aviation Database Systems	2	1	3	5	IT 221
IT 312	System Integration and Architecture 1	3	0	3	3	IT 212
IT 313	Aviation Information Assurance and Security 1	3	0	3	3	IT 212
IT 314	Social and Professional Issues	3	0	3	3	
AIT 311	Aviation Cyber Security and Threat Management	2	1	3	5	
	TOTAL	22	2	24	28	

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IT 321	Integrative Programming and Technologies	3	0	3	3	IT 312
IT 322	Aviation Information Assurance and Security 2	3	0	3	3	IT 313
IT 323	Aviation Application Development and Emerging Technologies	2	1	3	5	IT 212
IT 324	Aviation Capstone Project 1	3	0	3	3	IT 312
AIT 321	Airline Reservation	3	0	3	3	
AIT 322	Autonomous Drone Programming(Integrating AI)	2	1	3	5	
AIT Elec 4	Professional Elective 4	3	0	3	3	
TOTAL		19	2	21	25	

FOURTH YEAR	FIRST SEMESTER	Lec	Lab	Units	Hours	Pre-requisites
GEC 11	Philippine Pop Culture	3	0	3	3	
GEC 7	Contemporary World	3	0	3	3	
IT 411	Aviation Capstone Project 2	3	0	3	3	IT 324
IT 412	Aviation System Administration and Maintenance	2	1	3	5	IT 321
IT 413	Aviation Database Administration	2	1	3	5	IT 311
AIT 411	Cargo Handling	3	0	3	3	
AIT Elec 5	Professional Elective 5	3	0	3	3	
TOTAL		19	2	21	25	

FOURTH YEAR	SECOND SEMESTER	Lec	Lab	Units	Hours	Requirement
IT 421	Internship/On-the-Job Training/Practicum	0	6	6	18	70% of Course Taken
TOTAL		0	6	6	18	
TOTAL		140	23	163	209	

Professional Electives

AIT Elec 1	Drone Mechanics and Design
AIT Elec 2	Aviation Data Analytics
AIT Elec 3	Airport IT Systems and Infrastructure
AIT Elec 4	Aviation Safety Management Systems
AIT Elec 5	Emerging Technologies in Aviation

OJT:

The total number of hours of OJT is 488 hours in aviation IT industry or related field.

Note:

- Prior to enrollment of the 4th Year student, he/she must have completed his/her academic subjects in the third year.
- Upon completion of a four year course, a student will be granted a Diploma in Bachelor of Science in Information Technology (*With Specialization in Aviation Information Technology*).

Admission Requirements:

Must pass the PhilSCA Admission Test (No retake policy)

FRESHMEN:

Photocopy of the following:

- High School Card of last grading period
- Certificate of Good Moral Character
- 2 pcs 1x1 Latest Colored Picture (for admission test)

TRANSFEREES:

- Transcript of Records (for evaluation purposes)
- Honorable Dismissal
- Certificate of Good Moral Character
- 2 pcs 1x1 Latest Colored Picture (for admission test)

Prepared by:

VAB IT Faculty

Noted by:

Assoc. Prof. Bely B. Apostol

Dean, ICS-VAB



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