Diploma Plan

School of Aviation

Diploma of Aircraft Maintenance Engineering - Avionics B2 (0-2.5) B2-C

	Course Code	Module Code	Course Name	Credit Hours	Contact Hours	Course Type
Semester 1	AMB1001	B1 1	Mathematics	3	66	SM
	AMB1002	B1 2	Physics	3	66	SM
	AMB1201	B1 3a	Electrical Fundamentals 1	3	102	SM
	AMB1202	B1 3b	Electrical Fundamentals 2	3	96	SM
	AMB1203	B1 4	Electronics Fundamentals	3	66	SM
	AMB1204	B1 6c	Aircraft Electrical Hardware	3	30	SM
			Semester Total	18	426	
Semester 2	AMB1501	B1 6a	Aircraft Materials and Corrosion	3	72	SM
	AMB1502	B1 6b	Aircraft Hardware	3	48	SM
	AMB1503	B1 6d	Aircraft Materials Wood/Fabric	3	24	SM
	AMB1504	B1 7a	OH&S in Aviation	3	24	SM
	AMB1505	B1 7b	Maintenance Practices General	3	114	SM
	AMB1506	B1 7d	Maintenance Practices Mechanical	3	132	SM
			Semester Total	18	414	
Semester 3	AMB1205	B1 5a	Digital Techniques 1	3	72	SM
	AMB1206	B1 5b	Digital Techniques 2	3	48	SM
	AMB1507	B1 7c	Maintenance Practices Electrical	3	54	SM
	AMB1508	B1 7e	Aircraft Handling: Maintenance Procedures and Inspections	3	48	SM
	AMB1401	B1 15a	Gas Turbine Engine- Theory & Configurations	3	90	SM
	AMB1402	B1 15b	Gas Turbine Engine- Systems	3	84	SM
	AMB1403	B1 15c	Gas Turbine Engine- Operations & Maintenance	3	54	SM
			Semester Total	21	450	
Seme	AMB2207	B2 5c	Digital Techniques / Electronic Instrument Systems	3	54	SM

	AMB1101	B1 8	Basic Aerodynamics	3	36	SM
	AMB2301	B2 13a	Aerodynamics, Structure and Flight Controls	3	78	SM
	AMB2302	B2 13b	Airplane Mechanical Systems	3	120	SM
	AMB2303	B2 13c	Airplane Electrical Systems	3	114	SM
			Semester Total	15	402	

Semester 5	AMB2208	B2 4b	Electronics Fundamentals	3	60	SM
	AMB1102	B1 9	Human Factors	3	42	SM
	AMB1103	B1 10	Aviation Legislation	3	48	SM
	AMB2304	B2 13d	Instruments, Rotary Wing Aerodynamics, Autoflight and Equipment & Furnishings	3	132	SM
	AMB2305	B2 13e	Communication, Navigation, OBMS, IMA, CS and IS	3	168	SM
			Semester Total	15	450	

OJT	AMB1509	OJT	Part-145 Practical Training	0	301	Practical
			Semester Total	0	301	
				87	2,443	

SM: School Mandatory Course