

AMT-Study Plan: Higher Diploma Aircraft Maintenance Technology

First Year

Fall Semester							Spring Semester						Summer Semester							
Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR
MATH1001	Pre-Calculus (Mod 1A) MPE≥70, EmSAT≥1500)	3	0	1	4	3	AVT1201	Electrical Fundamentals (Mod 3A)	3	1	0	4	3	ENGL1012	Academic English II	2	2	0	4	3
PHYS1015	Physics I for Aviation (Mod 2A)	3	0	1	4	3	HUM1011	Islamic Culture (distance learning)	3	0	0	3	3	AMT 1301	Human Factors (Mod 9A)	2	0	0	2	2
PHYS1016	Physics I Lab for Aviation	0	3	0	3	1	ENGL1011	Academic English I	2	2	0	4	3	AVT 1301	Electronics (4 A)	2	2	0	4	3
ICT1011	Intro to Prog. & Prob. Solving	2	2	0	4	3	AMT1201	Materials & Hardware (Mod 6A)	2	0	0	2	2							
ENGL1001	English Skills EmSAT≥1300, IELTS ≥ 5.5)	1	2	0	3	0	AMT1202	Maintenance Practices I (Mod 7A)	2	0	0	2	2							
AMT1101	W/S Practices/Orientation	1	3	0	4	2	AMT1206	MOD 6A-OCT1	0	3	0	3	1							
HUM1012	Emirates Society & Culture (distance learning)	3	0	0	3	3	AMT1207	MOD 7A1-OCT2	0	3	0	3	1							
Total	7	13	10	2	25	15		7	12	9	0	21	15	3		6	4	0	10	8

Second Year

Fall Semester							Spring Semester						Summer Semester								
Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR	
AVT2101	Digital Techniques (Mod 5 A)	2	1	0	3	2	AMT 2201	Aviation Legislation (Mod 10 A)/ Aviation Legislation GCAA	2	0	1	3	2	AMT2090	OJT / Internship					360	3
AMT2102	Basic Aerodynamics (8 A)	2	0	0	2	2	AMT2202	Maintenance Practices III (7 A)	1	2	0	3	2								
AMT2103	Maintenance Practices II (7 A)	1	2	0	3	2	AMT2203	Maintenance Practices IV (7 A)	1	2	0	3	2								
AMT2104	Aircraft Sys & Components I (11 A)	3	0	0	3	3	AMT2204	Aircraft Sys. & Components II (11 A)	2	2	0	4	3								
AMT 2105	Gas Turbines (15 A)	3	0	0	3	3	AMT2205	Propellers (17 A)	2	0	0	2	2								
ENG2011	Public Speaking (Blended L.)	1	0	1	2	1	ENGL2012	Literature Review (Blended L.)	1	0	1	2	1								
AMT2106	MOD 11A-OCT3	0	2	0	2	1	AMT2206	MOD 7A2-OCT5	0	3	0	3	1								
AMT2107	MOD 15A-OCT4	0	3	0	3	1	AMT2207	MOD 7A3-OCT6	0	3	0	3	1								
Total	8	12	8	1	21	15		8	10	12	1	23	14	1					360	3	

Diploma Total Credits: 70 Cr. Hrs

AM-V2-2021

Third Year – Aeromechanics

Fall Semester							Spring Semester						Summer Semester							
Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR
AMT 3101	Adv. Aerodynamics (8 B1)	3	1	2	6	3	AMT 3201	Adv. Materials & Hardware II (6 B1)	3	1	0	4	3	HUM1013	Arabic Communication Skills (distance learning)	3	0	0	3	3
AMT 3102	Adv. Materials & Hardware I (6 B1)	3	1	0	4	3	AMT 3202	Adv. Maintenance Practices II (7 B1)	2	3	1	6	3	AMT 3301	Adv. Propellers (17 B1)	2	1	1	4	2
AMT 3103	Adv. Maintenance Practices I (7 B1)	2	3	2	7	3	AMT 3203	Adv. Aircraft Sys. & Components II (11 B1)	3	1	4	8	3	AVT 3302	Digital Techniques I (5 B1)	2	3	1	6	3
AMT 3104	Adv. Aircraft Sys. & Components I (11B1)	3	1	2	6	3	AMT 3204	Adv. Turbine Engines (15 B1)	2	3	2	8	3							
AVT 3101	Electrical Engineering I (3B)	3	0	2	5	3	AMT 3080	Capstone Project	3	0	0	3	3							
AVT 3102	Electrical Engineering I (3B) Lab.	0	3	1	4	1	ENGL 2013	Report Writing	1	2	0	3	1							
Total	6	14	9	9	32	16	6		14	10	7	32	16	3		7	4	2	13	8

HD Total Credits: 110 Cr. Hrs

Third Year – Avionics

Fall Semester							Spring Semester						Summer Semester							
Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR	Course Code	Course Title	LT	PT	TT	CH	CR
AMT 3101	Adv. Aerodynamics (8 B1)	3	1	2	6	3	AVT 3201	Electronic Comm. Tech.	2	3	0	5	3	HUM1003	Arabic Communication Skills (distance learning)	3	0	0	3	3
AMT 3102	Adv. Materials & Hardware I (6 B1)	3	1	0	4	3	AVT 3202	Avionics Systems I (13 B2)	3	3	2	8	4	AMT 3201	Adv. Maintenance Practices II (7 B1)	2	3	2	7	3
AMT 3103	Adv. Maintenance Practices I (7 B1)	2	3	2	7	3	AVT 3203	Props and FADEC (14 B2)	4	1	0	5	4	AVT 3301	Avionics Systems II (13 B2)	2	2	2	8	3
AVT 3101	Electrical Engineering I (3B)	3	0	2	5	3	AMT3080	Capstone Project	3	0	0	3	3							
AVT 3102	Electrical Engineering I (3B) Lab.	0	3	1	4	1	ENGL 2013	Report Writing	1	2	0	3	1							
AVT 3103	Digital Techniques I (5 B1)	2	3	1	6	3														
Total	6	13	11	8	32	16	5		13	9	2	24	15	3		8	5	4	18	9

HD Total Credits: 110 Cr. Hrs