

AMT-Study Plan: Applied Bachelor Aircraft Maintenance Management

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
MATH 100	Pre-calculus	4	0	1	5	4	AVT 210	Electrical Engineering I (3 B)	3	0	2	5	3	ENGL 122	Academic English II	3	0	0	3	3
PHYS 111	Physics I	3	0	0	3	3	AVT 210P	Electrical Engineering I (3 B) Lab.	0	3	1	4	1	AVT 211	Electrical Engineering II (3 B)	3	0	2	5	3
PHYS 111P	Physics I Lab.	0	3	0	3	1	HUM 111	Islamic Culture	3	0	0	3	3	AVT 211P	Electrical Engineering II (3 B) Lab.	0	3	1	4	1
ICT 110	Intro. to Programming & Prob Solving + Lab	2	2	0	4	3	ENGL 121	Academic English I	3	0	0	3	3							
ENGL 120	English Skills	3	0	0	3	0 ⁶	AMT 114	Materials and Hardware (6 A)	2	2	1	5	3							
AMT 101	W/S Practices/Orientation	2	4	0	6	2	AMT 113	Maintenance Practices I (7 A)	2	3	2	7	3							
HUM 110	Life-Long Learning Skills	3	0	0	3	3														
Total	7	17	9	1	27	16	Total	6	13	8	6	27	16	Total	3	6	3	3	12	7

Second Year

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AVSC 210	Human Factors (9 B)	3	0	1	4	3	AVSC 220	Aviation Legislation (10 B)	3	0	2	5	3	AMT 240	OJT / Internship	400				3
AVN 112	Electronics	2	2	1	5	3	AMT 121	Maintenance Practices III (7 A)	1	6	0	7	3							
AMT 115	Basic Aerodynamics (8 A)	2	1	1	4	2	AMT 124	Maintenance Practices IV (7 A)	1	6	0	7	3							
AMT 117	Maintenance Practices II (7A)	2	3	2	7	3	AVT 123	Fund. Digital Techniques (5 A)	2	2	4	8	3							
AMT 116	Aircraft Systems & Components I (11 A)	2	3	1	6	3	AMT 221	Aircraft Systems & Components II (11 A)	3	3	0	6	4							
AMT 223	Turbine Engines (15 A)	2	2	0	4	3	AMT 225	Propellers (17 A)	2	0	0	2	2							
Total	6	13	11	6	30	17	Total	6	12	17	6	35	18	Total	1	400				3

Aeromechanic

Third 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
AMT 211	Materials & Hardware I (6 B1)	2	3	0	5	3	AMT 222	Mat. & Hardware II (6 B1)	2	1	2	5	3	ENGL 211	Public English	1	0	6	7	1
AMT 214	Aerodynamics (8 B1)	3	1	2	6	3	AMT 217	Maintenance Practices II (7 B1)	2	3	2	7	3	AVSC 225	Aviation Legislation -GCAA	3	0	2	5	3
AMT 215	Maintenance Practices I (7 B1)	2	3	2	7	3	AMT 234	Air. Systems & Components II (11 B1)	3	1	4	8	3	HUM 402	Creativity, Innovation & Entrepreneurship	3	0	0	3	3
AVT 311	Electronic Communication Technology	2	3	0	5	3	AMT 324	Turbine Engines (15 B1) with Lab.	2	3	3	8	3							
AVT 321	Digital Techniques I (5 B1)	2	3	1	6	3	AMT 336	Propellers (17 B1)	2	1	1	4	2							
AMT 230	Aircraft Systems & Components I (11 B1)	3	1	2	6	3	HUM 112	Emirates Society and Culture	3	0	0	3	3							
Total	6	14	14	7	35	18	Total	6	16	9	10	35	17	Total	3	7	0	8	15	7

Forth 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
AMT 403	Principle of Business for Engineers	3	0	0	3	3	AMT 406	Inspection Procedures	3	0	0	3	3							
AMT 404	Aviation Maintenance Technology and Management	3	0	0	3	3	AMT 407	Aircraft Line, Base and Component Maintenance	3	0	0	3	3							
AMT 405	Aircraft Structural Analysis	3	0	0	3	3	AMT 408	Aviation Inventory and Logistics	3	0	0	3	3							
AMT 420	Graduation Project – Part I	1	0	0	1	1	AMT 420	Graduation Project – Part II	3	0	0	3	3							
	Elective I	3	0	0	3	3		Elective II	3	0	0	3	3							
								Elective III	3	0	0	3	3							
Total	5	15	0	0	15	15	Total	6	16	0	0	16	16							

ABAMM Total Credits: 150 Cr. Hrs

Avionics

Third 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
AMT 211	Materials & Hardware I (6 B1)	2	3	0	5	3	AMT 222	Mat. & Hardware II (6 B1)	2	1	2	5	3	ENGL 211	Public English	1	0	6	7	1
AMT 214	Aerodynamics (8 B1)	3	1	2	6	3	AMT 217	Maintenance Practices II (7 B1)	2	3	2	7	3	AVSC 225	Aviation Legislation -GCAA	3	0	2	5	3
AMT 215	Maintenance Practices I (7 B1)	2	3	2	7	3	AVT 333	Avionics Systems II (13 B2)	3	3	2	8	4	HUM 402	Creativity, Innovation & Entrepreneurship	3	0	0	3	3
AVT 311	Electronic Communication Technology	2	3	0	5	3	AVT 326	Props and FADEC (14 B2)	3	1	0	4	3							
AVT 321	Digital Techniques I (5 B1)	2	3	1	6	3	HUM 112	Emirates Society and Culture	3	0	0	3	3							
AVT 327	Avionics Systems I (13 B2)	3	3	2	8	4														
Total	6	13	16	8	37	19	Total	5	12	8	5	25	16	Total	3	7	0	8	15	7

Forth Year

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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
AVT 401	Avionics and Instrumentation Systems Maintenance	3	0	0	3	3	AMT 406	Inspection Procedures	3	0	0	3	3							
AMT 403	Principle of Business for Engineers	3	0	0	3	3	AMT 407	Aircraft Line, Base and Components Maintenance	3	0	0	3	3							
AMT 404	Aviation Maintenance Technology and Management	3	0	0	3	3	AMT 408	Aviation Inventory and Logistics	3	0	0	3	3							
AMT 420	Graduation Project – Part I	1	0	0	1	1	AMT 420	Graduation Project – Part II	3	0	0	3	3							
	Elective I	3	0	0	3	3		Elective II	3	0	0	3	3							
								Elective III	3	0	0	3	3							
Total	5	15	0	0	15	15	Total	6	16	0	0	16	16							

ABAMM Total Credits: 150 Cr. Hrs

Bucket of Elective Courses

AMT 409	Quality Assurance	3
AMT 410	Project Management	3
AMT 411	Automatic Flight Control Systems Maintenance	3
AVT 402	Advanced Flight Instrument Systems	3
AVSC 401	Introduction of Marketing	3
AVSC 402	Aviation Economics	3
AVSC 403	Safety Management Systems	3