

**BACHELOR OF AERONAUTICAL ENGINEERING TECHNOLOGY (AIRCRAFT MAINTENANCE) WITH HONOURS
STUDY PLAN**

Year 1							
Sem	Course Code	Course Name	Credit	Sem	Course Code	Course Name	Credit
1	UQJ 10102/ UQJ 10202	Islamic Studies/ Moral Studies	2	2	UHB 13102	English for General Communication	2
	UQJ 11202	Philosophy and Current Issues	2		UQU 10702	Appreciation, Ethics and Civilization	2
	UQ*1***1	Co-curriculum I	1		BDS 10603	Engineering Technology Material	3
	BDS 10202	Introduction to Aircraft	2		BDS 10803	Electrical and Electronics Technology	3
	BDS 10303	Engineering Drawing	3		BDS 11003	Engineering Technology Mathematics II	3
	BDS 10503	Engineering Mechanics	3		BDS 10703	Thermodynamics	3
	BDS 10903	Engineering Technology Mathematics I	3		BDS 18002	Aircraft Maintenance Practice I	2
	BDS 11103	Aircraft Hardware	3				
	Total		19		Total		18

Year 2							
Sem	Course Code	Course Name	Credit	Sem	Course Code	Course Name	Credit
3	UQ* 1***1	Co-curriculum II	1	4	UHB 23102	English for Technical Communication	2
	BDS 31902	Creativity and Innovation	2		UQU 11202	Integrity and Anticorruption	2
	BDS 20803	Computer Programming	3		BDS 20203	Aircraft Propulsion	3
	BDS 20903	Fluid Mechanics	3		BDS 20703	Aircraft Aerodynamics	3
	BDS 21002	Statistics for Technologist	2		BDS 21103	Mechanics of Solids and Structures	3
	BDS 21403	Aircraft Engine Technology	3		BDS 27001	Engineering Technology Laboratory I	1
	BDS 20503	Aircraft Systems	3		BDS 20303	Avionics and Instruments	3
	BDS 21202	Human Factors	2		BDS 28002	Aircraft Maintenance Practice II	2
	Total		19		Total		19

Year 3							
Sem	Course Code	Course Name	Credit	Sem	Course Code	Course Name	Credit
5	UHB 1**02	Foreign Language	2	6	UHB 33102	English for Professional Communication	2
	BDK 30103	Technopreneurship	3		BDS 30703	Aircraft Design	3
	BDS 30103	Flight Mechanics	3		BDS 39004	Bachelor Degree Project I	4
	BDS 30503	Aircraft Stability and Control	3		BDS 31103	Aviation Safety Management	3
	BDS 30802	Aviation Economics	2		BDS 31202	Aircraft Composite Repair	2
	BDS 37001	Engineering Technology Laboratory II	1		BDS 38002	Aircraft Maintenance Practice III	2
	BDS 30403	Aviation Legislation	3		BDS 40702	Sustainable Aviation	2
	Total		17		Total		18

Year 4								
Sem	Course Code	Course Name	Credit	Sem	Course Code	Course Name	Credit	
7	BDS 4**03	Elective	3	8	BDS 46012	Industrial Training	12	
	BDS 40802	Engineering Technologist and Society	2					
	BDS 49006	Bachelor Degree Project II	6					
	BDS 40202	Aircraft Maintenance Management	2					
	BDS 40303	Aircraft Non-Destructive Testing	3					
	BDS 31002	Aircraft Metal Structure Repair	2					
	Total		18		Total		12	

	General Education/University Compulsory Courses
	Core Courses, Maths and Faculty Support
	Specialization Courses
	Elective

Total credit 140

Senate Approval: 8 Sep 2025
Effective: Sem 1 2025/2026