

STUDY PLAN

Aircraft Maintenance Engineer

FIRST YEAR

First Semester

Code	Subjects	Credits
BG 1001	English I	3 (3-2-6)
BG 1204	Calculus I	3 (3-0-6)
BG 1211	Physics I	3 (3-0-6)
BG 1212	Physics Laboratory I	1 (0-3-2)
BG 0008	General Chemistry Laboratory	1 (0-3-2)
BG 1108	General Chemistry	3 (3-0-6)
ME 1113	Engineering Drawing	3 (2-3-6)
ME 1114	Engineering Workshop	2 (0-4-2)
Total		19 (14-15-36)

Second Semester

Code	Subjects	Credits
BG 1002	English II	3 (3-2-6)
BG 1205	Calculus II	3 (3-0-6)
BG 1213	Physics II	3 (3-0-6)
BG 1214	Physics Laboratory II	1 (0-3-2)
BG 1221	Computer Programming	3 (3-0-6)
IE 1110	Engineering Materials	3 (3-0-6)
	Humanities Course	3 (3-0-6)
Total		19 (18-5-38)

SECOND YEAR

First Semester

Code	Subjects	Credits
BG 2000	English III	3 (3-2-6)
AE 2700	Fundamental Aircraft: Propulsion Theory	2 (2-0-4)
AE 2921	Problem-based Training in Aircraft Maintenance I	1 (0-3-2)
BG 2208	Discrete Mathematics	3 (3-0-6)
EE 2201	Electric Circuits	3 (3-0-6)
EE 2202	Electric Circuits Laboratory	1 (0-3-2)
MCE 2101	Fundamentals of Mechatronics	3 (3-0-6)
MCE 2102	Fundamentals of Mechatronics Engineering Laboratory I	1 (0-3-2)
Total		17 (14-11-34)

Second Semester

Code	Subjects	Credits
BG 2001	English IV	3 (3-2-6)
AE 2922	Problem-based Training in Aircraft Maintenance II	1 (0-3-2)
EE 2605	Engineering Electronics	3 (3-0-6)
EE 2606	Engineering Electronics Laboratory	1 (0-3-2)
GE 2202	Ethics	3 (3-0-6)
ME 2211	Engineering Mechanics 1	3 (3-0-6)
	Free Elective	3 (3-0-6)
	Major Elective	3 (3-0-6)
Total		20 (18-8-40)

THIRD YEAR

First Semester

Code	Subjects	Credits
E 3310	Aircraft Maintenance: Maintenance Human Factor	1 (1-0-2)
AE 3411	Aircraft System: Aviation Acts and Airworthiness Regulations	3 (3-0-6)
AE 3710	Aircraft Maintenance: Aircraft Maintenance I	3 (2-3-6)
AE 3722	Fundamental Aircraft: Aerodynamics	2 (2-0-4)
AE 3723	Fundamental Aircraft: Aircraft Structure	3 (2-3-6)
AE 3724	Fundamental Aircraft: Aircraft Material	3 (2-3-6)
AE 3921	Problem-based Training in Aircraft Maintenance III	1 (0-3-2)
Total		16 (12-12-32)

Second Semester

Code	Subjects	Credits
AE 3311	Aircraft System: Technical Document System	3 (3-0-6)
AE 3312	Aircraft System: Logistics	2 (2-0-4)
AE 3511	Aircraft System: Aircraft Communications	1 (1-0-2)
AE 3711	Aircraft Maintenance: Aircraft Maintenance II	3 (2-3-6)
AE 3712	Aircraft System: Hydraulic and Pneumatic System	3 (2-3-6)
AE 3713	Aircraft System: Landing Gear and Brake System	3 (2-3-6)
AE 3725	Fundamental Aircraft: Aircraft Performance	3 (2-3-6)
AE 3922	Fundamental Aircraft: Practical Verification	1 (0-3-2)
Total		19 (14-15-38)

FORTH YEAR

First Semester

Code	Subjects	Credits
AE 4721	Aircraft System: Fuel System	3 (2-3-6)
AE 4722	Aircraft System: Powerplant	3 (2-3-6)
AE 4821	Aircraft System: Aircraft Electrical System	3 (2-3-6)
AE 4921	Aircraft Maintenance: Practical Verification	1 (0-3-2)
BEN 3201	Innovation and Design thinking	3 (3-0-6)
	Major Elective	3 (3-0-6)
Total		16 (12-12-32)

Second Semester

Code	Subjects	Credits
AE 4621	Aircraft System: Ground Support Equipment	2 (1-1-4)
AE 4622	Aircraft System: Non-Destructive Inspection	3 (2-3-6)
AE 4723	Aircraft System: Stability and Weight & Balance System	3 (2-3-6)
AE 4901	Aircraft System: Practical Verification	1 (0-3-2)
BEN 3001	Entrepreneur and Innovation	3 (3-0-6)
	Free Elective	3 (3-0-6)
Total		15 (11-10-30)