

Aviation Mechanics Airframe Certificate

Engineering & Information Technologies

2021-2022 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
AMT-100	Aviation Standard Practices		4	6	6
AMT-105	Aircraft Orientation		2	5	4
AMT-110	Aircraft Electricity		3	3	4
AMT-115	Aircraft Weight and Balance		3	3	4
MAT-122	Aviation Mathematics		2	2	3

21

Semester 2

AMT-120	Aircraft Non-Metal Structures	AMT 105	3	4	5
AMT-130	Aircraft Welding Processes		2	2	3
AMT-135	Aircraft Landing Gear Systems	AMT 105 & MAT 121	3	5	5
AMT-140	Airframe Electrical Systems	AMT 105 & AMT 110	4	4	6
PHY-115	Aviation Maintenance Physics	MAT 120	3	3	4

23

Semester 3

AMT-125	Aircraft Metal Structures	AMT 100 & AMT 105	3	5	5
AMT-145	Airframe Electronic Systems	AMT 105 & AMT 110	2	1	2
AMT-150	Airframe Systems	AMT 100, 105, 110	3	3	4
AMT-155	Airframe Assembly and Rigging	AMT 100, 105, MAT 121	3	4	5
AMT-160	Airframe Inspection	AMT 105 & AMT 115	1	3	2

18

Total

62