

Aviation Mechanics Airframe Certificate

Center for Innovative Technologies Division

2014-2015 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-121	Technical Algebra and Geometry with Stats		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
ENG-101	English Composition		3	0	3
PHY-121	Technical Physics 1		2	3	3
					25
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
PHY-122	Technical Physics 2	PHY 121 or BMT 151	2	3	3
					21
Total					67