

**CERTIFICATE: AVIATION MAINTENANCE - AIRFRAME APPLIED
TECHNOLOGY
(Suggested Occupational Plan)**

		Lec.	Lab	Sem. Hrs.	Clock Hours
FIRST SEMESTER					
AERM 1208	Federal Aviation Regulations	1	4	2	80
AERM 1303	Shop Practice	1	4	3	80
AERM 1315	Aviation Science	2	4	3	96
AERM 1414	Basic Electricity	3	4	4	112
COMG 1391	Special Topics in Communications, General	3	0	3	48
SECOND SEMESTER					
AERM 1205	Weight and Balance	1	4	2	80
AERM 1310	Ground Operations	1	4	3	80
AERM 1241	Wood, Fabric, and Finishes	1	3	2	64
AERM 1445	Airframe Electrical Systems	3	4	4	112
TECM 1301	Industrial Mathematics	3	0	3	48
THIRD SEMESTER					
AERM 1343	Instrument and Navigation/Communication	1	4	3	80
AERM 2333	Assembly and Rigging	2	4	3	96
AERM 1253	Aircraft Welding	1	3	2	64
FOURTH SEMESTER					
AERM 1350	Landing Gear Systems	2	3	3	80
AERM 1254	Aircraft Composites	1	4	2	80
AERM 1349	Hydraulic, Pneumatic and Fuel Systems	2	4	3	96
AERM 1352	Aircraft Sheet Metal	1	6	3	112
FIFTH SEMESTER					
AERM 1347	Airframe Auxiliary	2	3	3	80
AERM 2231	Airframe Inspection (Capstone)	1	4	2	80
AERM 2264	Practicum (or Field Experience) – Airframe Mechanics and Aircraft Maintenance Technology/Technician	1	18	2	304
AERM 2359	Advanced Composite Repair	1	4	3	80
Total Semester Hours for Certificate:				58	