

**PROGRAM DESCRIPTION:  
DIPLOMA PROGRAM  
AIRFRAME TECHNICIAN**

The courses in the Airframe Technician Diploma Program are designed to provide the necessary educational opportunities through classroom and laboratory teaching for a person to acquire the skills and knowledge needed to enter the industry as an entry-level Airframe Technician. Graduates will be eligible to take the Federal Aviation Administration examinations. Upon successful completion of the written exams, the graduate will be eligible to take the oral and practical examinations to complete the requirements for the FAA Airframe Certificate. With the FAA Airframe Certificate, the airframe technician may enter a number of employment areas, such as general aviation, fixed-base operations, executive aircraft services, major airlines, aircraft contractors, modification operations, and manufacturers aircraft engine and component manufacture. The Airframe Technician Diploma program consists of 54 credit hours and 1170 contact hours, and is 40 weeks (day) and 70 weeks (evening) in length.

**First Semester**

<u>Course #</u>	<u>Course Title</u>	<b>Semester Hours</b>			
		<u>Lecture</u>	<u>Lab</u>	<u>Total Contact</u>	<u>Credit</u>
GS 100	Forms and Regulations	49	0	49	3
GS 101	Materials and Processes	24	25	49	2
GS 102	Ground Operation and Service; Cleaning and Corrosion	21	21	42	2
MATH 1314	College Algebra	48	0	48	3
MATH 2312	Pre-Calculus	48	0	48	3
GS106	Aircraft Drawings	10	11	21	1
GS 107	Fluid Lines and Fittings	10	11	21	1
GS 103.1	Aviation Physics	30	12	42	2
GS 104.1	Basic Electricity	36	34	70	3
GS 105	Weight and Balance	14	14	28	1
<b>Totals</b>		<b>290</b>	<b>128</b>	<b>418</b>	<b>21</b>

**Second Semester**

AF 109	Assembly and Rigging	48	20	68	3
AF 108	Welding	15	0	15	1
AF 100	Aircraft Electrical Systems	31	32	63	3
AF 101	Aircraft Instrument Systems	15	13	28	1
AF 102	Communication and Navigation Systems	19	16	35	1
AF 103.1	Ice and Rain Control Systems	15	0	15	1
AF 105.1	Sheet Metal Structures I	45	32	77	4
AF 105.2	Sheet Metal Structures II	30	33	63	3
AF 107	Wood/Non-Metallic Structures and Aircraft Coverings	32	45	77	3
AF 106	Aircraft Finishes	21	21	42	2
AF 112	Airframe Fuel Systems	10	11	21	1
AF 110	Hydraulic and Pneumatic Systems	30	26	56	2
AF 111	Aircraft Landing Gear Systems	30	19	49	2
AF 113	Position and Warning Systems	15	6	21	1
AF 103.2	Fire Protection Systems	15	0	15	1
AF 103.3	Cabin Atmospheric Control Systems	20	14	34	1
AF 114	Airframe Inspection	21	21	42	2
AF 115	Airframe Repair and Operational Checks	17	14	31	1
<b>Totals</b>		<b>429</b>	<b>323</b>	<b>752</b>	<b>33</b>
<b>Grand Totals</b>		<b>719</b>	<b>451</b>	<b>1170</b>	<b>54</b>