

# Aviation Airframe Structure/Systems Certificate in Applied Science

## Mission Statement

This certificate introduces all airframe-related subjects to all aircraft maintenance technicians. Topics include wood structures, sheet metal, bonded structures, assembly and rigging, environmental systems, utility and warning, hydraulics and pneumatics, landing gear, airframe electrical, airframe fuel systems, and airframe inspection.

## Entrance Requirements:

Acceptable placement test score(s), plus high school diploma or equivalent

## Type of Program:

Day or evening

## Employment Opportunities:

General aviation, contract repair facilities and aviation-related maintenance activities

## Recommended Program Schedule

### *First Semester - Spring*

ACM	125	Wood Structures, Coverings, and Finishes	2.0
ACM	130	Sheet Metal Layout and Repair	4.0
ACM	140	Bonded Structures and Welding	3.0
ACM	150	Assembly and Rigging	3.0

### *Second Semester - Summer*

ACM	155	Aircraft Environmental Systems	3.0
ACM	165	Hydraulic and Pneumatic Systems	3.0
ACM	167	Landing Gear Systems	3.0
ACM	170	Aircraft Electrical Systems	4.0

### *Third Semester - Fall*

ACM	160	Utility and Warning Systems	3.0
ACM	172	Aircraft Fuel Systems	1.0
ACM	174	Airframe Inspection	1.0

## Total Required Credit Hours:

**30.0**

Note: Please contact your advisor for recommended evening schedules.

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.