

Aviation Powerplant Theory/Systems Certificate in Applied Science

Mission Statement

This certificate introduces Powerplant-related subjects to aircraft maintenance technicians. Topics include lubrication, ignition and starting systems, turbine and reciprocating engines, propellers, electrical, instruments, fire protection, fuel systems and inspections.

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 - Fall

ACM	205	Ignition and Starting Systems	3.0
ACM	224	Turbine Engine Overhaul	4.0

Second Semester - Spring

ACM	201	Lubricating Systems	2.0
ACM	210	Reciprocating Engine Overhaul	4.0
ACM	234	Propellers and Components	4.0
ACM	240	Engine Electrical, Instrumentation, and Fire Protection	3.0

Third Semester - Summer

ACM	226	Engine Inspection	1.0
ACM	245	Powerplant Fuel Systems	4.0
ACM	250	Induction, Cooling, and Exhaust	3.0
ACM	273	Airframe and Powerplant Capstone	4.0

Total Required Credit Hours:

32.0

Note: Please see 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.