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.

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