

Aircraft Maintenance Engineer deals with the maintenance, repair, and troubleshooting issues faced in the aircraft and its systems.

They have the responsibility of maintaining safety and airworthiness of the aircraft. They are one of the highest skilled professionals worldwide and is counted in one of the reputed job profile. Aircraft Maintenance Engineer course can be pursued through DGCA, Govt. of India approved Institutes under in the tentative 2 years of programme one can grab knowledge in campus and for the other 2 years, they have to undergo practical exposure in the flying environment. In that training, the student may get stipends also. After completion of academic and practical session of four years and having cleared all modules, students can apply for the license. The student who is having the license will be called as Aircraft Maintenance Engineer which is one of the highest paid engineers worldwide. No aircraft can take off without assessment of airworthiness from the licensed AME.

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### **Eligibility for AME Course**

- 10 +2 PCM
- 3 Years Engineering Diploma in Aeronautical Engineering, Diploma in Mechanical, Diploma in Electronics and Communication, Diploma in Electrical and Electronics.

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### **AME Streams are divided into:**

- ❖ Mechanical (B1)
  - Aeroplane & Power Plant (B1.1 & B1.2)
  - Helicopter & Power Plant (B1.3)
- ❖ Avionics (B2)

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All the semester has theoretical and practical classes as per DGCA norms. Every semester will have 60 % theory classes and 40 % practical classes. During these two years, students will undergo specially designed practicals as per industry requirements.

For the students of AME, first & second semester is common with all branches of AME, comprising of general engineering subjects, third semester onwards students will have core subjects and program related subjects.

Module 1 and 2, is not applicable in India. List of module subjects for the students of AME in various categories-

- Module 3-Electrical Fundamentals.
- Module 4- Electronic Fundamentals.
- Module 5- Digital Techniques/Electronic Instrument Systems.
- Module 6-Materials and Hardware.
- Module 7A-Maintenance Practices.

- Module 7B-Maintenance Practices.
- Module 8-Basic Aerodynamics.
- Module 9A-Human factors.
- Module 9B-Human factors.
- Module 10-Aviation Legislation.
- Module 11A-Turbine Aeroplane Aerodynamics, Structures and Systems.
- Module 11B-Piston Aeroplane Aerodynamics, Structures and Systems.
- Module 12- Helicopter Aerodynamics, Structures and Systems.
- Module 13-Aircraft Aerodynamics, Structures and Systems.
- Module 14-Propulsion.
- Module 15-Gas Turbine Engine.
- Module 16-Piston Engine.
- Module 17A-Propeller.
- Module 17B-Propeller.