



INDIAN INSTITUTE OF AIRCRAFT ENGINEERING

Approved by Director General of Civil Aviation,
Ministry of Civil Aviation, Govt, of India

For CAR -147 (Basic) AME
Program



TRANSFORMING AMBITIONS INTO REALITY

ABOUT US

The first inspiration came in mankind from ICARUS, who dared to challenge nature and attempted to glide with Eagle. His bravery had left a deep-rooted quest in mankind to conquer the nature of flying. The passion to fly in thought of mankind gave the birth of modern aviation. The years of research with the involvement of dedicated human pursuit produced some of the finest and most sophisticated flying machines. These flying machines are the finest human creation. They are capable of flying intercontinental distances with over 600 (six hundred) people on board. These high degrees of technical sophistication of these aircrafts require a continuous maintenance process for their safe operation in air at a height over 40,000 feet above the ground. It has always demanded the best human perfection to match the high-quality technical support for its maintenance on a continuous basis.



The fast-growing aviation industry has always demanded the best of human perfection to keep alive the human quest to find new milestones in aviation.

The explosive growth of this most exciting field in the country is all set to extend an opportunity for you. The Indian Institute of Aircraft Engineering is just the right place with its proven professional capabilities to transform your dreams and ambitions into reality through its innovation and excellence in aviation education at par with international standards. We are proud to announce that our institution has achieved a 100% placement rate for the every year with all students successfully placed in reputed organizations such as Indigo, Air India, Emirates Airlines, Qatar Airway, AR Airways Shaurya Aeronautical Pvt. Ltd. etc.

Over twenty-seven years of Aircraft Maintenance Training Experience of IIAE, along with the world-class facilities and highly dedicated faculties, have been put together to produce the finest trained and qualified aircraft maintenance professionals. We recognize and value our academic mission to produce mature professionals who are part of growing aviation with the major airlines and general aviation industry today and contributing with their specialized maintenance and aviation skills. We provided numerous avenues and enormous opportunities to young individuals who opted for this magnificent profession.



MISSION & VISION

The main objective of IIAE is to provide a comprehensive education to prepare individuals for productive careers and responsible citizenship, with special emphasis on the need of aviation, aerospace engineering, and related fields.

To achieve this target, the institute has planned to dedicate itself in the following areas:

To emphasize the academic excellence in teaching and training of the aircraft maintenance engineering program. To promote ethical and responsible behavior amongst its students.



To support each student's personal development by encouraging participation in programs and services that offer opportunity for enhanced physical, sociological, and spiritual growth by complementing the development of an all-rounded individual prepared for personal and professional success.

To recruit and develop excellent faculty and staff for pursuing research and creative activities that maintain and extend knowledge in aviation, aerospace, and related disciplines.

AME PROGRAM

AME (Aircraft Maintenance Engineering) Program at IIAE (Indian Institute of Aircraft Engineering) is now CAR-147 (Basic) compliant. Under this program, the Institute is approved by DGCA, Ministry of Civil Aviation, Govt. of India for AME Licence Category B1.1 (Turbine Aeroplane), which covers heavy aircraft and turbine engines to be known as the Mechanical Stream, and Category B2 (Avionics), which covers Aircraft electrical, instrumentation, and communication navigation systems to be known as the Avionics Stream.



For the issue of B1.1 and B2 AME licenses, one has to undergo a DGCA-approved training program, which is compliant to CAR-147 (Basic) and has a duration of two years. During these two years of academic training, which covers 2400 hours of theoretical and practical learning, including 320 hours of Practical On Job Training (OJT) in any CAR 145 Approved Maintenance Organization (AMO) in the live environment on flying aircraft.

The four -year program is divided into two parts.

- Approved Academic Program under CAR-147 (Basic Maintenance Training Organization): 2 year
- Practical maintenance experience requirements in any CAR-145 Approved Maintenance Organization (AMO) in the live environment on flying aircraft: 2 years.



The academic program is divided into four semesters covering 2400 hours of theoretical and practical training in 2 years duration for both B1 and B2 categories. Out of 2400 hours of training, 1440 hours will be devoted to classroom teaching and 960 hours will be devoted to practical training. Out of 960 hours of practical training, 33% practical training, i.e., 320 hours, will be conducted with AMO (Aircraft Maintenance Organization). For this, IIAE has entered into a long-term legal contract with M/S SHAURYA AERONOTICS PVT.LTD. New Delhi, For all the practical training required to be imparted on flying aircraft under the CAR-147 (Basic) program.

The academic program conducted by IIAE is fully approved under CAR-147 (basic) requirement along with approved curriculum by DGCA.

CAREER OPPORTUNITY

A secured career is the ultimate destination of a fruitful education system. The Aircraft Maintenance Engineering (AME) program is a career which has tremendous opportunity at present compared to the other Engineering career for many years to come in the future. The following reasons are important to understand the realistic trend of huge employment opportunity as an aircraft maintenance engineer, which is the most popular career in aviation today.

- The highly growing Indian economy and GDP growth cannot sustain without a fast and effective transportation system, and the growth of air transportation is one of them for the most efficient and the fastest movement of men and materials.
- Due to the rising trend of the Indian economy, the growth of air transportation is moving on a very fast trajectory to match the need of the Indian economy and is growing at the rate of 25% per annum necessitating capacity addition with existing airlines and setting up of new scheduled and unscheduled airlines, adding hundreds of new aircraft to handle the phenomenal growth of air traffic.
- As per the current trend, it is forecasted that India will emerge as the third largest aviation market in the world after the USA and China by 2027. This means thousands of new aircraft have to be added by the airline industry to sustain this explosive growth of aviation.
- Considering a highly specialized nature of Aircraft Maintenance, Overhaul and Repair system which requires mandatory Aircraft Maintenance Engineer (AME) safety certification for safe operation of the Aircraft in the air on the day to day basis creating the huge demand for skilled Aircraft Maintenance Engineers and technicians.



- In addition to the Indian aviation growth, the other Asian countries, especially the Gulf nations, are also growing at a rapid pace due to their strong economic prospects. Indian-trained engineers are their natural choice to support their airlines and other aviation entities for competitive cost consideration compared to their natives or western engineers. Hence, the number of engineers produced for the Indian Aviation is naturally taking a westward journey for the higher career prospects and remuneration. This creates a constant need and vacuum for the trained aircraft maintenance engineers in India.



- This is just the right time after 10+2 passed outs to become part of the booming Indian aviation industry for an excellent and assured career.
- Indian, Institute of Aircraft Engineering (IIAE) enjoys the treasure of its 100% placed students in aviation both in India as well as abroad and will continue to do so in the years to come through a highly credible approved Aircraft Maintenance Engineering training program for youth in India and continents across the world.
- IIAE is just the right place for your successful career in aviation.



SELECTION PROCESS

Admission is granted through a stiff screening process, which is done by an all India admission entrance examination, popularly known as AIAEE (All India AME Entrance Examination), exclusively for the Indian Institute of Aircraft Engineering (IIAE) registered candidates only. This is conducted through an online examination mode all over India in the month of May/June. Students also get the opportunity to select their preferred examination date in online examination mode within the allowed dates.

Based on the examination results, an all-India merit list is published online on the Institute website (www.iiiae.in) with intimation to the selected and qualified candidates on their registered E-mail address. A student who is interested in taking admission has to apply online. On the basis of merit, the student will get an admission offer letter. The following document should be carried at the time of admission.

ELIGIBILITY

A candidate who has passed the 10+2 examination with PCM (Physics, Chemistry, and Mathematics) or has completed a three-year approved diploma in any of the streams is eligible for admission in AME program.

REGISTRATION

Any student who is desirous of seeking admission in IIAE for the CAR-147 (Basic) AME (Aircraft Maintenance Engineering) program has to apply online to get himself registered to be eligible for admission by submitting the complete application form and paying INR 1100/- also online as registration fee.



1. Class X original mark sheet & certificate.
2. Class XII original mark sheet and certificate.
3. Copy of Residence Proof (Aadhar/Voter ID/Passport)
4. Eight recent passport-size colored photographs of the candidate.
5. Two recent coloured passport-size photographs of parents.
6. Medical form (colored blindness) duly signed by a registered physician.

FACILITY

The IIAE infrastructure is one of the best facilities for AME training CAR-147 (Basic) program. The most modern technical facilities are the strength of IIAE Aviation Education. They Include

- Well-equipped aircraft system labs and workshops.
- Digital Classroom
- Well-equipped Technical Library.
- Separate boys and girls hostels.
- Fuel Flow, Simulator, etc., along with other various other experiential systems used on heavy Aircraft.



WHY CHOOSE IIAE

- IIAE is the only institute that offers 2 years of free training after completion of two years of academic training for all students who have passed 10 or more modules.
- 100% of students are placed on Indian and foreign airlines with very high pay packages.
- Student's friendly and innovative teaching environment using the most modern teaching aids.
- Excellent facilities, which include modern infrastructure, a rich technical library, as well as highly qualified and experienced faculty.

MAJOR RECRUITERS AT A GLANCE



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