

B.TECH. AIRCRAFT MAINTENANCE ENGINEERING



SRINIVAS UNIVERSITY

(Private university established by Karnataka Govt. Act No. 42 of 2013.
Recognized by UGC, New Delhi & Member of Association of
Indian Universities, New Delhi)

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MH Cockpit 

B.TECH. AIRCRAFT MAINTENANCE ENGINEERING

B.Tech Aircraft Maintenance Engineering is technologically advanced professional Degree program designed and Developed to industry requirement as per the guideline of Regulatory body of civil aviation Authority. This course avails opportunity for students to learn the program through classroom learning and also in maintenance Organization. Students also can appear for license examinations as an individual candidate. Upon clearing all the modules as required by Regulatory Body he will become eligible to be a Qualified Aircraft Maintenance Engineer.

Why enroll for this programme?

This programme gives students wealth of knowledge in the field of aircraft maintenance and also professional B.Tech Degree. This also gives an great opportunity for the students to develop their career and consolidate their professional experience by gaining a locally and internationally recognized exposure in aircraft maintenance.

Market Forecast:

Based on ICAO (international civil aviation Organization) in the next 20 years airlines have to add 25,000 new aircraft to the current 17,000 strong commercial fleet. By 2026 the industry will need 4,80,000 new technicians to maintain these aircraft. Clearly the international market has a huge shortage of Aircraft Maintenance engineers.

Entry Requirements:

10+2 with Physics and Mathematics (with aggregate of 50%)

No colorblindness

Minimum 17 years

Duration: 5 years

Mode of delivery:

The programme is offered full time semester basis with the last 1.5 years practical exposure in the leading MRO global partners.

CAREER OPPORTUNITIES

- Airline Line Maintenance > Airline Base Maintenance
- MRO > Flight Operations MCC Department
- Airline Fleet Planning Division > Aerospace Companies - Production Engineer
- Quality Auditor > Aircraft Technical Publication Tech Author

SPECIAL FEATURE:

- Classes between 9am- 2pm with half an hour break during week days.
- Industry oriented syllabus with focus on experimental Learning
- Industrial visit at frequent intervals
- Additional Guidance for clearing DGCA AME modules as a private candidate
- Curriculum designed and developed by International Industry Experts
- Placement support for every student
- Module based learning
- International collaboration
- Guest lectures by Leading Airline experienced professionals
- Separate Hostel facility for Boys and Girls
- International Airports and MRO exposures in India and overseas

SEMESTER I

- Physics
- Mathematics
- English
- Electrical Fundamentals
- Electronics Fundamentals
- Physics Lab
- Electrical Lab

SEMESTER II

- Digital Techniques and Instruments
- English
- A/c Materials hardware
- Principle of flight
- Engineering Mechanics
- Workshop
- Aeromodelling labs

SEMESTER III

- Solid Mechanics
- Aero Thermodynamics
- Fluid Mechanics
- Air law
- Human Performance
- Solid Mechanics Lab
- Fluid Mechanics Lab

SEMESTER IV

- Turbine Aeroplane aerodynamic structures and systems
- Piston Aeroplane, Aerodynamic structure and system
- Low speed Aerodynamics
- A/C systems and Instruments
- Non Department Electives
- CAD
- System Lab

SEMESTER V

- Composite Material and structure
- Helicopter Aerodynamics structures and system
- A/c Aerodynamics structures and system
- Department Electives
- Propulsion Lab
- Composite material and structures Lab
- Electrical Lab

SEMESTER VI

- A/C performance stability and control
- Department Electives II
- Control Theory
- Gas turbine Engine
- Piston Engine
- Propeller
- A/c Design Project

SEMESTER VII

- Avionics
- Airframe Maintenance and Repair
- Aero Engine Maintenance and Repair
- Department Electives III
- NDE II
- Airframe Repair Lab
- A/C Design Project III

SEMESTER VIII

- Internship
- Project

INTERNSHIP

- Internship (Line Maintenance) – Overseas
- Internship (Base Maintenance)- Overseas