

B.SC. AERONAUTICAL SCIENCE



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.SC. AERONAUTICAL SCIENCE

DURATION:

3 Years, Six semesters

(Admissions Open for Batch 2020-2021)

ELIGIBILITY:

A Pass in 10+2 with Physics and Mathematics Aeronautical science is a professional Degree programme designed to educate young aviation cadets with wide knowledge in the field of commercial aviation. The program integrates Engineering, Ground operations, Air traffic Management, Legality and Flight Operations Department of commercial aviation which not only limited to airlines But also aerospace companies and Airports. Upon completion of the course student develops

- Leadership ability as demanded by today's aviation companies
- Decision Making aptitude to accurately and quickly asses the situations and manage Risks not only in aviation industry but also in all aspects of your life.
- The greater understanding on Engineering/ technical aspects of aviation.
- From Flight operations all the way to Ground ops of an airline
- Knowledge on Airfield, Airports Both in Land side and Air side
- Knowledge on Air traffic control and airspace management including Crisis management and Threat and error management.

WHY US?

- 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
- 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

CAREER OPPORTUNITIES

Airline Ground Equipment Maintenance, Ground support Technician, Technical Publication associate, Airline Ground staff, Production control technician aerospace Industries, Flight operations Officer. Meteorological Department personnel, etc.

SEMESTER I

- Language (French / Hindi/ kannada)
- Technical English I
- Mathematics I
- Aircraft Electrical and Electronics fundamentals
- Aircraft Electrical and Electronics fundamentals Laboratory
- Computer Laboratory

SEMESTER II

- Language (French / Hindi/ kannada)
- English II
- Principle of Flight –II
- Solid Mechanics
- Aerodynamics Laboratory
- Strength of Materials Laboratory

SEMESTER III

- Aircraft systems and Instruments
- Aircraft Power Plants
- Aviation Meteorology
- Aircraft Structures
- Aircraft mass and balance
- Aircraft Structures Laboratory
- Propulsion Laboratory

SEMESTER IV

- Composite materials and structure
- Air Traffic Management-I
- Airport and airline Passenger Management
- Air regulations(Annexure 8)
- Environmental studies
- Soft skills-II
- Airframe Laboratory

SEMESTER V

- Aero Engine Maintenance and Repair
- Airline Operations Control Centre (AOCC)
- Aircraft Design
- Consumer Affairs
- NSS
- Mechanical CAD

SEMESTER VI

- Air Route Planning and Fleet Planning
- Experimental Stress Analysis
- Disaster Management
- Dangerous Good and Cargo
- Project viva-voce