

B.Sc (Aerospace Science) Syllabus

Study Components	Course Title	Ins. Hrs/week	Exam			Credit
			CIA-S	Uni-exam	Total	
Semester- I						
Lanuage I		6	25	75	100	4
English- I		6	25	75	100	4
Basic Aerodynamics		4	25	75	100	4
Environmental Studies		2		50	50	2
Workshop Practice (Theory)		6	25	75	100	4
Workshop Practice (Practicals)		6	40	60	100	4
Semester-II						
Lanuage-II		6	25	75	100	4
English-II		6	25	75	100	4
Electrical Fundamental (Theory)		6	25	75	100	4
Electrical Fundamental (Practicals)		6	40	60	100	4
Economics for Executives		4	25	75	100	4
Value Education-Human Rights		2		50	50	2
Semester-III						
Aircraft Materials & Hardware (Theory)		6	25	75	100	4
Electronics Fundamentals (Theory)		6	25	75	100	4
Electronics Fundamentals (Practicals)		6	40	60	100	4
Maintenance Practices- I (Theory)		6	25	75	100	4
Maintenance Practices- I (Practicals)		6	40	60	100	4
Constitution of India		2		50	50	2
Semester- IV						
Human Resource Management		2		50	50	2
Principles of airlines & Airport Management		6	40	60	100	4
Aircraft Structure		6	25	75	100	4
PC software (MS office) Theory		6	25	75	100	4

PC Software (MS office) Practical		6	40	60	100	4
Maintenance Practices-II		6	40	60	100	4
Semester -V						
Aviation Law & Aircraft Rules and Regulation		6	40	60	100	4
Air Traffic Control		6	40	60	100	4
Air Transportation Safety & Security		4	25	75	100	4
Commication of Navigation System		4	25	75	100	4
Propulsion- I		6	40	60	100	4
A/c Instrument System		6	40	60	100	4
Semester VI						
Satellites		6	40	60	100	5
Rockets & Missiles		6	40	60	100	5
Propulsion-II		6	40	60	100	5
Spacecraft Technology		6	40	60	100	5
Project Work		6	200		200	8
Total					3400	140