

Curriculum

SL	Course Code	Course Name	Course Type	Credit
1	HUM 4101	Communicative English	Theory/Sessional	3
2	MATH 4101	Mathematics-I (Arithmetic, Algebra, Geometry, Vector, Matrices)	Theory	4
3	CHEM 4101	Chemistry	Theory	3
4	ARO 4101	Introduction to Aircraft Maintenance Engineering	Theory	2
5	CSE 4101	Introduction to Computer Applications and Programming	Theory	3
6	HUM 4102	Communicative English Skills Lab	Sessional	1.5
7	CHEM 4102	Chemistry Sessional	Sessional	1.5
8	CSE 4102	Introduction to Computer Applications and Programming (Sessional)	Sessional	1.5
9	ARO 4102	Aeronautical Engineering Drawing	Sessional	1.5
10	MATH 4201	Mathematics II (Differential and Integral Calculus, ODE and PDE)	Theory	4
11	PHY 4201	Physics	Theory	3
12	AVO 4291	Electrical Fundamentals-1 (DC and AC Circuits)	Theory	4
13	AVO 4293	Electronics Fundamentals	Theory	3
14	HUM 4401	Accounting and Economics	Theory	3
15	AVO 4292	Electrical Fundamental-I Sessional	Sessional	1.5
16	PHY 4202	Physics Sessional	Sessional	1.5
17	AVO 4294	Electronics Fundamentals Sessional	Sessional	1.5
18	MATH 4301	Mathematics III (Laplace, Fourier Series, Complex variables and Statistics)	Theory	4
19	ARO 4301	Fluid Mechanics	Theory	3
20	AVO 4391	Electrical Fundamentals II (Electrical Machines)	Theory	3
21	ARO 4307	Materials & Hardware - I	Theory	4
22	AVO 4393	Digital Technique I (Electronic Instrument System)	Theory	3
23	ARO 4302	Fluid Mechanics Sessional	Sessional	0.75
24	AVO 4394	Digital Technique-I Sessional	Sessional	1

25	AVO 4392	Electrical Fundamental-II (Electrical Machines) Sessional	Sessional	1.5
26	ARO 4308	Materials & Hardware Sessional I	Sessional	1.5
27	AVO 4493	Digital Technique II (Electronic Instrument System)	Theory	3
28	ARO 4411	Basic Aerodynamics	Theory	3
29	ARO 4403	Thermodynamics	Theory	3
30	ARO 4405	Maintenance Practices I	Theory	4
31	ARO 4407	Materials & Hardware - II	Theory	4
32	AVO 4494	Digital Technique-II Sessional	Sessional	1
33	ARO 4406	Maintenance Practices Sessional I	Sessional	1.5
34	ARO 4408	Materials & Hardware Sessional II	Sessional	1
35	ARO 4404	Thermodynamics Sessional	Sessional	0.75
36	ARO 4412	Aerodynamics Sessional	Sessional	0.75
37	ARO 4501	Maintenance Practices II	Theory	4
38	ARO 4505	Aircraft Structure	Theory	4
39	ARO 4503	Aircraft Systems-I	Theory	3
40	AVO 4591	Avionics System	Theory	4
41	ARO 4502	Maintenance Practices Sessional II	Sessional	1.5
42	ARO 4506	Aircraft Structure Sessional	Sessional	1.5
43	ARO 4504	Aircraft Systems Sessional-I	Sessional	1
44	AVO 4592	Avionics System Sessional	Sessional	1
45	ARO 4500	Industrial Training-I on Dead & Live Aircraft	Sessional	0.5
46	ARO 4603	Gas Turbine Engine-I	Theory	3
47	ARO 4605	Fluid Power and Systems	Theory	3
48	ARO 4609	Aircraft Systems-II	Theory	3
49	ARO 4611	Turbine Aeroplane Aerodynamics	Theory	3
50	AVO 4691	Modern Avionics System	Theory	3
51	ARO 4604	Gas Turbine Engine-I Sessional	Sessional	1
52	ARO 4606	Fluid Power and Systems Sessional	Sessional	1
53	ARO 4610	Aircraft Systems Sessional-II	Sessional	1.5
54	ARO 4612	Turbine Aeroplane Aerodynamics Sessional	Sessional	0.75
55	AVO 4692	Modern Avionics System Sessional	Sessional	1
56	ARO 4600	Industrial Training-II on Dead & Live Aircraft	Sessional	0.5
57	ARO 4701	Human Factors	Theory	3
58	ARO 4705	Gas Turbine Engine-II	Theory	3
59	ARO 4709	Aviation Legislation-I	Theory	4
60	ARO 4711	Propeller Theory	Theory	4
61	ARO 47XX	Elective I	Theory	3

62	ARO 4700	Thesis and FYDP	Sessional	3
63	ARO 4706	Gas Turbine Engine-II Sessional	Sessional	1
64	ARO 4712	Propeller Sessional	Sessional	1.5
65	HUM 4801	Engineering Ethics & Professionalism	Theory	2
66	ARO 4809	Aviation Legislation-II	Theory	4
67	HUM 4803	History of the Emergence of Independent Bangladesh	Theory	2
68	ARO 48XX	Elective II	Theory	3
69	ARO 4700	Thesis and FYDP	Sessional	3