

Aeronautical Engineering(Aircraft Manufacturing)

1st Semester First Year

No.	Code	Course Name	Hours	Credits
1	L17001	Comprehensive Chinese I	64	4
2	L17006	Chinese Culture and History	32	2
3	L17007	Fundamental Law	32	2
4	L14013	Advanced Mathematics I	80	5
5	L14031	General Chemistry	24	1.5
6	L26007	C Programming	56	3.5
7	L26023	Programming Design Lab	1W	1
8	L06018	Engineering Drawing I	40	2.5
			328	21.5

2nd Semester First Year

	Code	Course Name	Hours	Credits
9	L17002	Comprehensive Chinese II	64	4
10	L14014	Advanced Mathematics II	80	5
11	L06019	Engineering Drawing II	48	3
12	L14004	Physics I	56	3.5
13	L14051	Physics Lab I	24	1.5
14	L03117x	Introduction to Aerospace	32	2
15	L26042	Engineering Training I	3W	3
			304	22

1st Semester Second Year

	Code	Course Name	Hours	Credits
16	L17003	Comprehensive Chinese III	64	4
17	L14005	Physics II	56	3.5
18	L14052	Physics Lab II	24	1.5
19	L14010	Probability and Statistics	48	3
20	L14053	Linear Algebra	40	2.5
21	L07011	EE(Circuits and Electronics I)	40	2.5
22	L07013	Circuit Theory Lab	14	1
23	L03061	Theoretical Mechanics	80	5
24	L26043	CNC Machining Lab II	2W	2
			366	25

2nd Semester Second Year

	Code	Course Name	Hours	Credits
25	L17004	Comprehensive Chinese IV	64	4
26	L02123	Circuits and Electronics II	40	2.5
27	L02124	Circuits and Electronics Lab	18	1
28	L11031	Engineering Materials	40	2.5
29	L17010	Fundamentals of Avionics	48	3
30	L03006	Material Mechanics	72	4.5
31	L06033	Computer Aided Drafting(AutoCAD)	2w	2
32	L26010	Digital Electronics Lab	2w	2
			282	21.5

1st Semester Third Year

	Code	Course Name	Hours	Credits
33	L17005	Comprehensive Chinese V	48	3
34	L06016	Measurement	32	2
35	L06050	Mechanism Analysis and Design	64	4
36	L06051	Mechanism Analysis & Design Lab	2w	2
37	L03082	Theory of Plasticity	40	2.5
38	L17014	Aviation Regulatory Framework	48	3
39	L17011	Fluid Mechanics	48	3
40	L17012	Aerospace Propulsion	48	3
			328	22.5

2nd Semester Third Year

	Code	Course Name	Hours	Credits
41	L17009	Chinese for Science and Technology	48	3
42	L06043	Machinery Design	56	3.5
43	L06037	Machinery Design Lab	3W	3
44	L03028	Introduction to Aircraft Manufacturing	48	3
45	L03035	Aerodynamics and Flight Theory	80	5
46	L03004	Sheet Metal Fabrication	48	3
47	L17013	Aircraft Mechanical Systems	48	3
48	L03021	structure	32	2
			360	25.5

1st Semester Final Year

	Code	Course Name	Hours	Credits
49	L03208	Aircraft Maintenance and Quality	32	2
50	L03030	Aircraft Assembly	40	2.5
51	L03031	Aircraft Design	56	3.5
52	L03016	Aircraft CAD/CAM	48	3
53	L03141	CAD/CAM Systems	48	3
54	L03121	Aircraft Assembly Lab	4W	4
55	L03122	Aircraft CAD/CAM Lab	4W	4
56	L03175	Aircraft Manufacturing Lab (AE Lab)	2W	2
			224	24

2nd Semester Final Year

	Code	Course Name	Hours	Credits
57	L03152	Production Practice/Internship	3W	3
58	L03150	Graduation Project & Thesis	17W	16
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			Total	181
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Medium of Education: English