School of Automation Science and Electrical Engineering
（SASEE）

（B）Education Curriculum for Electrical Engineering and Automation

1st ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
03j80630	C Programming Language	2.5	46	Required
05j80501	Introduction to Aeronautics and Astronautics (A)	2	34	Required
06j80611	Basic Knowledge of Computer	2	44	Required
09j70582	Mathematical Analysis(1)	7	136	Required
25j50010	Chinese (1)	3.5	64	Required

2nd ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
07j80040	Foundation of the Machine Design (B1)	3	60	Required
09j70590	Mathematical Analysis (2)	7	136	Required
09j70620	Advanced Algebra	6	114	Required
09j70632	Fundamental Physics(1)	5.5	104	Required
25j50020	Chinese (2)	3.5	64	Required

3rd ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
03j80380	Electric Circuits	4.5	80	Required
09j70150	Physics Experiment A (1)	2	32	Required
09j70640	Fundamental Physics(2)	5.5	100	Required
25j50030	Chinese (3)	3.5	64	Required

4th ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
03j83052	Analogue Electronics	4	70	Required
03j83062	Digital Electronics	3	50	Required
07j80050	Foundation of the Machine Design (B2)	3	58	Required
09j70050	Probability Statistics and Stochastic Process A	4	68	Required
09j70160	Physics Experiment (A2)	2	32	Required
25j50040	Chinese (4)	3.5	64	Required

5th ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
02j80370	Principle and Interface Technique of Microcomputer	4	74	Required
03j80450	Automatic Control Theory (A1)	3.5	60	Required
03z83330	Fundamentals of Applied Electromagnetics	3	54	Required
07s80620	Course Project of Mechanical Design (B)	2	80	Required

6th ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
03j80460	Automatic Control Theory(A2)	2.5	48	Required
03z83020	Power Electronics Technology A	3	54	Required
03z83030	Signal and Measurement Technology	3	54	Required
03z83920	Generality on Power Systems	2	34	Required

7th ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
03z83300	Aerospace Vehicle Electric Power Supply System	2	32	Required
03z83700	The Basis for Electric Apparatus Design	2.5	46	Required
03z83730	Swithing Power Supply Technology	2.5	42	Required

8th ACADEMIC SEMESTER

Code	COURSE TITLE	CREDITS	HOURS	NOTE
03s00800	Graduation Thesis	18	720	Required