



TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
1st year -- A' Semester								
1.	Compulsory	Research on Theory and Practice of Socialism with Chinese Characteristics	G123001	2	1 hour	16	32	2
2.	Compulsory	College English	G111001	3	1 hour	16	48	2
3.	Elective	Mathematical Methods	Z104002	3	1 hour	16	48	6
4.	Compulsory	Matrix Theory	Z104001	3	1 hour	16	48	6
5.	Elective	Analogue IC Design	Z104038	3	1 hour	16	48	6
6.	Elective	VLSI Design	Z204004	3	1 hour	16	48	6
7.	Compulsory	Embedded Systems and Applications	Z204008	3	1 hour	16	48	6
8.	Elective	RF IC Design	Z204009	3	1 hour	16	48	6



9.	Elective	Semiconductor Physics and Devices	Z104042	3	1 hour	16	48	6
1st year -- B' Semester								
1.	Compulsory	Digital Communications	EEN511	16	1 hour	2	32*	4
2.	Compulsory	Advanced Digital Signal Processing I	EEN512	16	1 hour	2	32*	4
3.	Compulsory	Advanced Digital Signal Processing II	EEN544	16	1 hour	2	32*	4
4.	Compulsory	Advanced System Theory and Automatic Control	EEN513	16	1 hour	2	32*	4
5.	Compulsory	Medical Imaging	EEN532	16	1 hour	2	32*	4
6.	Elective	IC Technology and Progress	Z304048	4	1 hour	8	32	4
7.	Elective	Microelectronic Device Evaluating and Modeling	Z304029	4	1 hour	8	32	4
8.	Elective	Nano Sensor Principles and Applications	Z304023	4	1 hour	8	32	4
9.	Elective	Novelty Class: Radio Frequency Practical Training	Z304050	4	1 hour	8	32	4
10.	Elective	Novelty Class: Antenna Design and Training	Z304053	4	1 hour	8	32	4
11.	Elective	Novelty Class: FPGA Application	Z304036	4	1 hour	8	32	4



		Training						
12.	Elective	Novelty Class: Practice and application of Internet of Things	Z304057	4	1 hour	8	32	4
13.	Elective	Electronic System Design	Z304015	4	1 hour	8	32	4
14.	Elective	Analogue and Mixed IC Design	Z304022	4	1 hour	8	32	4
15.	Elective	Design and Analysis of RF Transceiver Module	Z304051	4	1 hour	8	32	4
16.	Elective	Integrated Microsystems	Z304049	4	1 hour	8	32	4
17.	Elective	Deep learning and AI Application	Z304052	4	1 hour	8	32	4
1st year -- C' Semester (Summer)								
1.	Compulsory	Introduction to Photonics	EEN545	16	1 hour	2	32*	4
2.	Compulsory	Wireless Communications	EEN552	16	1 hour	2	32*	4
2nd year -- D' Semester								
1.	Compulsory	Research Methods	EEN515	4	1 hour	8	32	4

* This is a condensed 2-week course.