Appendix 15-2: The Number of Hours and Credits for Each Module in Electronic Information Engineering Program

Curriculum of Electronic Information Engineering Program

Note: CP-Credit Point, S-Semester, L-Lecture, P-Practice, W-Week, 1 Week = 32 Contact hours		Type	Chinese CP	ECT CP	Workload		S1	S2	S3	S4	S5	S6	S7	S8
Module designation	**Modules courses**				**Contact hours**	**Self-study hours**	**CP**	**CP**	**CP**	**CP**	**CP**	**CP**	**CP**	**CP**
General Education	Ideological and Moral Cultivation and Legal Basis	L&P	3	3	48	42	3							
	Outline of Modern Chinese History	L&P	3	3	48	42		3						
	Basic Principles of Marxism	L&P	3	3	48	42			3					
	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics	L&P	5	5	80	70				5				
	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	L&P	3	3	48	42						3		
	Situation and Policy (1) - (8)	L	2	2	32	28	1						1	
	Literature Search and Thesis Writing	L	1	1	16	14						1		
	Mental Health Education for College Students	L&P	1	1.5	32	13		1.5						
	Career Development and Employment Guidance for College Students (1)	L&P	0.5	1	16	14				1				
	Career Development and Employment Guidance for College Students (2)	L&P	0.5	1	12	18						1		
	Basics of Innovation and Entrepreneurship	L&P	1	1.5	32	13		1.5						
	Military Theory for College Students	L&P	2	2	36	24		2						
	Computer Basics for College Students	L&P	1.5	1.5	32	13	1.5							
	University Physical Education and Health (1)	L&P	1	1.5	32	13	1.5							
	University Physical Education and Health (2)	L&P	1	1.5	32	13		1.5						
	University Physical Education and Health (3)	L	0.5	1	20	10			1					
	University Physical Education and Health (4)	L	0.5	1	20	10				1				
			29.5	**33.5**	**584**	**421**								

Foreign language	College English (1)	L	2.5	2.5	40	35	2.5							
	College English (2)	L	3.5	3.5	56	49		3.5						
	College English Extension Series (1)	L	1.5	1.5	24	21			1.5					
	College English Extension Series (2)	L	1.5	1.5	24	21				1.5				
			9	**9**	**144**	**126**								
Mathematics and physics basics	Advanced Mathematics (1)	L	4.5	4.5	72	63	4.5							
	Advanced Mathematics (2)	L	5	5	80	70		5						
	Linear Algebra	L	2	2	32	28			2					
	Discrete Mathematics	L	3	3	48	42			3					
	Probability Theory and Mathematical Statistics	L	2.5	2.5	40	35				2.5				
	Functions of Complex Variables	L	3	3	48	42					3			
	College Physics (1)	L	3.5	3.5	56	49		3.5						
	College Physics (2)	L	3.5	3.5	56	49			3.5					
	College Physics Experiment	P	0.5	1	16	14			1					
			27.5	**28**	**448**	**392**								
Engineering basics	C Language Programming	L&P	4	4	80	40	4							
	Introduction to Electronic Information Engineering	L	1	1	16	14	1							
	Circuit Analysis	L&P	3.5	4	64	56		4						
	Data Structure	L&P	4	5	80	70		5						
	Analog Electronic Technology	L&P	4	5	72	78			5					
	Digital Electronic Technology	L&P	3.5	4	56	64				4				
	Signals and Systems	L&P	4	5	72	78					5			
	Communication Fundamentals	L&P	3	4	48	72						4		
	Electromagnetic Field and Electromagnetic Wave	L	3	3	48	42					3			
			30	**35**	**536**	**514**								

Engineering application	C++ Programming Language	L&P	2.5	3.5	48	57			3.5					
	Principle and Application of Microcontroller	L&P	3	4	56	64				4				
	PCB Design and Drawing	L&P	1.5	2	32	28					2			
	High Frequency Electronic Circuits	L&P	3	4	56	64					4			
	Modern Sensor and Detection Technology	L&P	2	3	40	50						3		
	Digital Signal Processing	L&P	3	4	48	72						4		
			15	**20.5**	**280**	**335**								
Autonomous development (optional)	STM32 Electronic System Design and Engineering Application	L&P	1.5	3	32	58					7			
	Robot Development	L&P	2.5	4	48	72								
	Principle of Automatic Control	L&P	2.5	3	48	42								
	Microcomputer Principle and Interface Technology	L&P	3	3	48	42								
	FPGA Principles and Applications	L&P	2.5	4	48	72						9		
	DSP Technology and Application	L&P	2.5	3.5	48	57								
	Principles and Applications of Embedded Systems	L&P	3.5	5	64	86								
	Electronic Integrated Design	L&P	2	3	40	50								
	PLC Principle and Application	L&P	2.5	3.5	48	57								
	Embedded Linux Programming	L&P	1.5	3	32	58								
	Deep Learning Technology	L&P	2.5	4	48	72								
	Humanities and Social Sciences	L	2	2	32	28			2					
	Art and Physical Education	L	2	2	32	28				2				
	Innovation and Entrepreneurship	L&P	2	3	64	26							3	
	Others (1)	L	2	2	32	28						2		
	Others (2)	L	2	2	32	28							2	
			20	**27**	**384**	**426**								
	Admission Education and Military Training	L&P	3	4	3 Weeks	24	4							
	Labor of Public Benefit	P	1	2	1 Week	28					2			
	Social Practice and Volunteer Service	P	1	2	1 Week	28							2	

Centralized practice	Electronics Technology Internship and Electronic Product Assembly and Debugging Internship	P	1	2	1 Week	28	2							
	Analog Unit Circuit Simulation and Development Comprehensive Practical Training Internship	P	1	2	1 Week	28			2					
	Digital Unit Circuit Simulation and Development Comprehensive Practical Training Internship	P	1	2	1 Week	28				2				
	Metalworking Practice	P	1	2	1 Week	28				2				
	Electronic and Electrical Practice	P	1	2	1 Week	28	2							
	Microcontroller System Comprehensive Practical Training Internship	P	1	3	1 Week	58				3				
	Electronic System Engineering Practical Training Internship	P	1	3	1 Week	58					3			
	Embedded System Comprehensive Practical Training Internship	P	1	3	1 Week	58						3		
	Graduation Internship	P	12	18	12 Weeks	156							18	
	Graduation Education	L	**1**	2	1 Week	28							2	
			26	**47**	**26 Weeks**	**578**								
Graduation thesis/design	Graduation Comprehensive Training	L&P	14	30	14 Weeks	452								30
			14	**30**	**14 Weeks**	**452**								
CP/semester	Total:230		**171**	**230**	**3656**	**3244**	27	30.5	27.5	28	29	30	28	30