

08 Study Plan or Curricular Overview for Electronic Information Engineering (2026)

This part presents the eight-semester curriculum arrangement for the major of Electronic Information Engineering at Changchun Institute of Technology. In accordance with the curriculum system and requirements, it details the course name, nature, contact credits, class hours, ECTS credits, self-study hours and total hours for each semester. Over a four-year period, students must complete at least 6,352 credit hours of study workload, which includes both contact hours and self-study hours, amounting to a total of 212 ECTS credits; among these, the self-study workload must constitute at least 3,362 credit hours.

Order Number	Curriculum System	Course Category	Course Code	Course Title	Type	Contact Credit	Contact hours	Teach Class	Practice	ECTS Credit	Self Study Hours	Total workload	School Begin
1	obligatory	liberal education	my0103101	Ideology Moral Cultivation and Law Basis	Lecture	3.0	48	40	8	3.0	42	90	I
2	obligatory	liberal education	my0205101	Conspectus of Chinese Modern History	Lecture	3.0	48	40	8	3.0	42	90	I
3	obligatory	liberal education	my0501101	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	I
4	obligatory	liberal education	wy0110101	College English	Lecture	3.0	48	48		3.0	42	90	I
5	obligatory	liberal education	ty01012011	College Physical Education and Health	Lecture	0.3	26	26		0.6	0	26	I
6	obligatory	liberal education	ty04012010	Military Theory	Lecture	2.0	36	36		2.0	0	36	I
7	obligatory	liberal education	xl01021010	Mental Health Education For College Students	Lecture	2.0	36	24	12	2.0	24	60	I
8	obligatory	liberal education	my0403102	Learning to Build Dreams Elective Course	Lecture	1.0	16	16		1.0	14	30	I
9	obligatory	natural science courses	lx01013011	Advanced Mathematics	Lecture	4.5	72	72		4.5	63	135	I
10	obligatory	natural science courses	sz03501010	Introduction to Environmental Science	Lecture	1.0	16	16		1.0	14	30	I
11	obligatory	concentrated practice	wz0160101	Military skills	Practice	2.0	120		120	4.0	0	120	I
Total						22.05	474	325	149	24.35	241	715	
12	obligatory	liberal education	my0501101	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	II
13	obligatory	liberal education	wy0110101	College English	Lecture	3.0	48	48		3.0	42	90	II
14	obligatory	liberal education	ty01012012	College Physical Education and Health	Lecture	0.5	34	34		1.0	0	34	II

15	obligator y	liberal education	yg05581010	General Literacy and Practice of Artificial	Lecture	1.0	16	10	6	1.0	14	30	II
16	obligator y	liberal education	my0203102	History of the Communist Party of China	Lecture	1.0	16	16		1.0	14	30	II
17	obligator y	liberal education	my02041020	History of New China									
18	obligator y	liberal education	my04051020	History of Reform and Opening-up									
19	obligator y	liberal education	my03031020	History of Socialist Development									
20	obligator y	liberal education	dq0428101	Career Guidance and Career Planning for College Students	Lecture	0.5	18	18		1.0	12	30	II
21	obligator y	natural science courses	lx01013012	Advanced Mathematics	Lecture	5.0	80	80		5.0	70	150	II
22	obligator y	natural science	lx02022010	Linear Algebra II	Lecture	2.5	40	40		2.5	35	75	II
23	obligator y	natural science	lx03015011	College Physics I	Lecture	3.0	48	48		3.0	42	90	II
24	obligator y	engineerin g foundation	yg05122010	Fundamentals of Computer Programming (C)	Lecture	2.5	40	20	20	3.5	65	105	II
25	obligator y	engineerin g	jd01204010	Engineering Drawing	Lecture	2.0	32	32		3.0	58	90	II
26	obligator y	concentrate d practice	gx00611010	Engineering Training	Practice	1.0	20		20	1.5	25	45	II
27	obligator y	liberal education	gj01021010	Writing and Communication	Lecture	1.0	16	16		1.0	14	30	II
Total						23.25	416	369	47	26.75	391	807	
28	obligator y	liberal education	my0304101	Fundamentals of Marxism	Lecture	3.0	48	48		3.0	42	90	III
29	obligator y	liberal education	my0501101	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	III
30	obligator y	liberal education	ty01012013	College Physical Education and	Lecture	0.5	34	34		1.0	0	34	III
31	obligator y	liberal education	wy0110101	College English	Lecture	2.0	32	32		2.0	28	60	III
32	obligator y	liberal education	sc01022020	Innovative Methods and Practices	Lecture	1.0	16	16		1.0	14	30	III
33	obligator y	natural science courses	lx02032010	Probability theory and mathematical statistics I	Lecture	3.0	48	48		3.0	42	90	III
34	obligator y	natural science courses	lx03015012	College Physics	Lecture	2.5	40	40		2.5	35	75	III
35	obligator y	natural science courses	lx02041010	Complex Function	Lecture	2.0	32	32		2.0	28	60	III
36	obligator y	engineerin g	dq01024010	Circuit Theory	Lecture	4.0	64	54	10	5.5	101	165	III

37	elective	professional foundation	jg25011020	Data Structures	Lecture	2.0	32	16	16	3.0	58	90	III
38	obligatory	concentrated practice	dq04601010	Professional Cognition Practice	Practice	1.0	20		20	1.5	25	45	III
39	obligatory	concentrated practice	dq04632010	Course Design for Application of Microcontroller	Practice	2.0	32		32	3.0	58	90	III
40	obligatory	concentrated practice	dq04701010	Training of MATLAB Base and	Practice	1.0	20		20	1.5	25	45	III
41	obligatory	art courses	ml01021010	Artistic Experience and Expression	Lecture	1.0	16	16		1.0	14	30	III
42	obligatory	art courses	ml01011010	Aesthetic Education in Universities	Lecture	1.0	16	16		1.0	14	30	III
Total						26.25	458	359	99	31.25	484	942	
43	obligatory	liberal education	my04212010	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese	Lecture	3.0	48	40	8	3.0	42	90	IV
44	obligatory	liberal education	my05011010	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	IV
45	obligatory	liberal education	my03061010	National Security Education	Lecture	1.0	16	16		1.0	0	16	IV
46	obligatory	liberal education	lx03023010	College Physics Experiment	Lecture	1.5	24		24	1.5	21	45	IV
47	obligatory	liberal education	ty01012014	College Physical Education and	Lecture	0.5	34	34		1.0	0	34	IV
48	obligatory	liberal education	sc01011020	Entrepreneurship foundation	Lecture	1.0	16	16		1.0	14	30	IV
49	obligatory	engineering foundation	dq01032010	Analog Electronic Technology	Lecture	3.0	48	42	6	4.0	72	120	IV
50	obligatory	engineering	dq04011010	Signals and Systems	Lecture	3.0	48	42	6	4.0	72	120	IV
51	obligatory	engineering foundation	lx03031010	Electromagnetic Fields and Electromagnetic	Lecture	2.0	32	32		3.0	58	90	IV
52	obligatory	professional	dq04021010	Information Theory&Coding	Lecture	2.0	32	32		3.0	58	90	IV
53	elective	professional foundation	dq04102020	Machine Learning in Action Based on Python	Lecture	1.5	24	16	8	2.5	51	75	IV
54	obligatory	concentrated practice	dq01611010	Electronic Technology Practice	Practice	2.0	40		40	3.0	50	90	IV
Total						20.75	370	277	93	27.25	438	808	

55	obligatory	liberal education	my0401101	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	Lecture	3.0	48	32	16	3.0	42	90	V
56	obligatory	liberal education	my05011015	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	V
57	obligatory	engineering	dq01042010	Digital Electronic Technology	Lecture	2.5	40	32	8	3.5	65	105	V
58	obligatory	professional foundation	dq04031010	Digital Signal Processing	Lecture	2.5	40	34	6	3.5	65	105	V
59	obligatory	professional foundation	dq04042010	High-Frequency Electronic Circuits	Lecture	2.5	40	32	8	3.5	65	105	V
60	obligatory	professional foundation	dq04231010	Cortex-M3 Development and Practice	Lecture	2.5	40	28	12	3.5	65	105	V
61	obligatory	liberal education	ty01012015	College Physical Education and	Lecture	0.2	16	16		0.4	0	16	V
62	obligatory	concentrated practice	dq04611010	Training of Electronic Circuit	Practice	2.0	40		40	3.0	50	90	V
63	obligatory	concentrated practice	ts02601010	Labor Education and Practice	Practice	1.0	32		32	1.0	0	32	V
Total						16.45	304	181	123	21.65	352	656	
64	obligatory	liberal education	my05011016	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	VI
65	obligatory	liberal education	dq04281022	Career Guidance and Career Planning for College Students	Lecture	0.5	20	20		1.0	10	30	VI
66	obligatory	professional foundation	dq04061010	Communication Principle	Lecture	3.0	48	36	12	4.0	72	120	VI
67	obligatory	specialized course	dq04072010	EDA Technology and Application	Lecture	2.5	40	28	12	3.5	65	105	VI
68	obligatory	specialized course	dq04091010	Digital Image Processing	Lecture	2.0	32	20	12	3.0	58	90	VI
69	elective	specialized course	dq04341020	Intelligent Sensing Technology and Applications	Lecture	1.5	24	12	12	2.5	51	75	VI
70	elective	specialized course	dq04251010	RFID Development Technology and Practice	Lecture	2.0	32	20	12	3.0	58	90	VI
71	obligatory	concentrated practice	dq04761010	Course Design for EDA Technology and Application	Practice	2.0	32		32	3.0	58	90	VI
72	obligatory	concentrated practice	dq04771010	Course Design for Application of Embedded System	Practice	2.0	32		32	3.0	58	90	VI
73	obligatory	liberal education	sc01601010	Innovation and Entrepreneurship Training	Practice	2.0	32		32	2.0	28	60	I-VIII

Total						17.8	300	143	157	25.25	458	758	
74	obligator y	concentrate d practice	dq04711010	Training for Specialized English	Practice	1.0	20	20		1.5	25	45	VII
75	obligator y	concentrate d practice	dq04781010	Comprehensive Practice of	Practice	6.0	120		120	9.0	150	270	VII
76	obligator y	concentrate d practice	dq04792010	Practice Training of Signal and Image Processing	Practice	6.0	120		120	9.0	150	270	VII
77	obligator y	concentrate d practice	dq04752010	Production Practice	Practice	6.0	120		120	9.0	150	270	VII
78	obligator y	liberal education	my05011017	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	VII
Total						19.25	388	27	361	28.75	475	863	
79	obligator y	graduation thesis/design n	dq04691010	Graduation Project	Gradua tion Project	15.0	240		240	22.5	435	675	VIII
80	obligator y	liberal education	my05011010	Current Situation and Policies	Lecture	0.25	8	7	1	0.25	0	8	VIII
81	obligator y	liberal education		General Education Elective Courses	Lecture	2.0	0			2.0	60	60	I-VIII
82	obligator y	liberal education	tw01601010	Social Practice	Practice	1.0	16		16	1.0	14	30	I-VIII
83	obligator y	liberal education	tw01611010	Club Activities	Practice	1.0	16		16	1.0	14	30	I-VIII
Total						19.25	280	7	273	26.8	523	803	
Amount to						165.0	2990	1688	1302	212.0	3362	6352	