	Course T	уре	Course Name	Type of Courses	Total Credits	Practical Credits	Suggested Term	Teaching Department
			The Ideological and Moral Cultivation and Legal Basis	Compulsory	3	1	1	School of Marxism
General Education			Conspectus of Chinese Modern History	Compulsory	2		2	School of Marxism
Courses 41 credits	Politics	Compulsory 14	The Basic Principles of Marxism	Compulsory	3	1	3	School of Marxism
	Politics	credits	Introduction to Mao Zedong Thought and Theories of Socialism with Chinese Characteristics I	Compulsory	3	1	5	School of Marxism
			Introduction to Mao Zedong Thought and Theories of Socialism with Chinese Characteristics II	Compulsory	3	1	6	School of Marxism
		Compulsory	English I	Compulsory	4		1	School of Foreign Languages
	Foreign language	6 credits	English II	Compulsory	2		2	School of Foreign Languages
		0	Academic English	Electives	2		3	School of Foreign Languages
			Advanced English B	Electives	2		3	School of Foreign Languages
			Thinking and Academic Skills-Audio, Visual and Oral English	Electives	2		3	School of Foreign Languages

	Course T	vpe	Course Name	Type of	Total	Practical	Suggested	Teaching
				Courses	Credits	Credits	Term	Department
			Workplace English	Electives	2		4	School of Foreign
								Languages
General Education			Communication and Culture-Audio, Visual and Oral English	Electives	2		4	School of Foreign
								Languages
Courses 41 credits	Military	Compulsory	Military Theory	Compulsory	2	1	1	Military Department
	Iviintai y	credits	Military Skills Training	Compulsory	1	1	1	Military Department
	Physical Education		Physical Education I	Compulsory 1		1	P.E. Department	
			Physical Education II	Compulsory	1		2	P.E. Department
			Physical Education III	Compulsory	1		3	P.E. Department
			Physical Education IV	Compulsory	1		4	P.E. Department
			Social Science and Ethical Responsibility	Compulsory	2			
		credits	Ecology Environment and Life Care	Compulsory	2			
	Transportation	Transportation electives 4 credits	Artistic Experience and Aesthetic Cultivation	Electives	Limit the course of at least 2 modules to 4 credits			
	Transportation		Historical Cultural and Human Feelings	Electives			1-4	
			Philosophical Wisdom and Critical Thinking	Electives				
			Transportation Engineering and Innovation	Electives				

	Course Ty	pe	Course Name	Type of Courses	Total Credits	Practical Credits	Suggested Term	Teaching Department
	Orientation	Compulsory	Freshman Seminar	Compulsory	2	Credits	1	School of Electrical Engineering
			University Computer Foundation A	Compulsory	1	0.5	1	School of Information Science
	Computer	Compulsory 5.5 credits	Fundamentals of Computer Programming	Compulsory	3	0.5	2	School of Electrical Engineering
			Practice of Program Design	Compulsory	1.5	1.5	3	School of Electrical Engineering
			Calculus BI	Compulsory	5		1	School of Mathematics
		Compulsory	Calculus BII	Compulsory	5		2	School of Mathematics
	Math	19 credits	Linear Algebra B	Compulsory	3		1	School of Mathematics
			Complex Functions and Integral Transformations B	Compulsory	3		3	School of Mathematics
			Probability Theory and Mathematical Statistics B	Compulsory	3		3	School of Mathematics
Basic Courses of	Physics	Compulsory 10 credits	Fundamentals of Physics AI	Compulsory	4		2	School of Physics Science
the Discipline 87			Fundamentals of Physics AII	Compulsory	4		3	School of Physics Science
credits			College Physics Experiments AI	Compulsory	1	1	2	School of Physics Science

	Course T	уре	Course Name		Type of	Total Creatite	Practical	Suggested	Teaching
			College Physics Experiment	nts AII	Courses	Credits 1	Credits 1	Term 3	Department School of Physics Science
			Mechanical Drawing B		Compulsory	3	0.5	1	School of Mechanical Engineering
			Electric Circuits AI		Compulsory	4	0.5	2	School of Electrical Engineering
	Basic Courses		Electric Circuits AII		Compulsory	4	0.5	3	School of Electrical Engineering
			Compulsory3credits	Analogue Electronic Technology A	Compulsory	4		0.5 3	School of Information Science
		Compulsory38credits	CompulsoryScients	Analogue Electronic Technology B	Compulsory	3		3	School of Information Science
			Analogue Electronic Experiments	Technology	Compulsory	1	1	3	School of Information Science
			Compulsory3credits	Digital Electronic Technology A	Compulsory	4		4	School of Information Science
			CompuisoryScients	Digital Electronic Technology B	Compulsory	3		4	School of Information Science

Course T	vne	Course Name	Type of	Total	Practical	Suggested	Teaching
	<i>ype</i>		Courses	Credits	Credits	Term	Department
		Digital Electronic Technology Experiments	Compulsory	1	1	4	School of Information Science
		Signals and Systems	Compulsory	3	0.25	4	School of Electrical Engineering
) Electronic Measurement Technology	Compulsory	3	0.5	4	School of Electrical Engineering
		Principles of Micro-Computer	Compulsory	4	0.5	5	School of Electrical Engineering
		Principles of Automatic Control	Compulsory	4	0.5	5	School of Electrical Engineering
		Communication Theory	Compulsory	3	0.5	5	School of Electrical Engineering
		Introduction to Electronic and Information Engineering	Compulsory	2		4	School of Electrical Engineering
	Compulsory 1/4 Scredits	Digital Signal Processing	Compulsory	2.5	0.25	5	School of Electrical Engineering
Specialized basic course		Information Theory and Coding	Compulsory	2		4	School of Electrical Engineering
		Computer Networks	Compulsory	3	0.5	6	School of Electrical Engineering
		Communication Circuits	Compulsory	2.5	0.5	6	School of

	Course Type		Course Name	Type of Courses	Total Credits	Practical Credits	Suggested Term	Teaching Department
				Courses	creates	cicuits	Term	Electrical
								Engineering
								School of
			Software Comprehensive Experiments	Compulsory	2	2	4	Electrical
				companyory	_	_		Engineering
								School of
			MCU System Comprehensive	Compulsory	2.5	2.5	6	Electrical
			Experiments	1 5				Engineering
								School of
			Sensors and Signal Detection Technology	Compulsory	2	0.5	6	Electrical
								Engineering
								School of
			Power Electronics	Compulsory	2	0.25	6	Electrical
								Engineering
							-	School of
			Fundamentals of Electrical Machinery	Compulsory	2	0.25	6	Electrical
		Compulsory14credits						Engineering
	Group I	compuisory 14creans					6	School of
	Electronic		Computer Control Technology	Compulsory	2	0.25		Electrical
	measurement							Engineering
	and control			~ .	_		_	School of
	technology		Project Design of Electronic Equipment	Compulsory	2	2	7	Electrical
								Engineering
			Electronic and Information Engineering				-	School of
			Practice	Compulsory	4	4	7	Electrical
	Electives							Engineering
				2	0.5	5	School of	
		Electronic Design Automation	Electives	2	0.5	5	Electrical	
Specialty		8	Full Dis Control Control The					Engineering
30		credits	Field Bus Control Systems and Train Control Networks	Electives	2	0.5	6	School of Electrical

	Course T	уре	Course Name	Type of Courses	Total Credits	Practical Credits	Suggested Term	Teaching Department
credits								Engineering
			Principles and Applications of Programmable Logic Controllers	Electives	2	0.5	6	School of Electrical Engineering
			Robot Control	Electives	2	0.25	6	School of Electrical Engineering
			Intelligent Control	Electives	2		6	School of Electrical Engineering
			Basics of Modern Control Theory	Electives	2		6	School of Electrical Engineering
			Electromagnetic Fields and Waves	Electives	2		5	School of Electrical Engineering
			Electromagnetic Compatibility	Electives	2		6	School of Electrical Engineering
			Remote Supervisory and Control Technology	Electives	2	0.25	6	School of Electrical Engineering
			Object-Oriented Programming	Electives	2	0.5	6	School of Electrical Engineering
		Compulsory14credits	Operating System	Compulsory	2		6	School of Electrical Engineering
		Compuisory 14credits	Object-Oriented Programming	Compulsory	2	0.5	6	School of Electrical Engineering

	Course T	уре	Course Name	Type of Courses	Total Credits	Practical Credits	Suggested Term	Teaching Department	
				Courses	Cleans	Cieuits	Term	School of	
			System Modeling and Simulation	Compulsory	2	0.5	6	Electrical	
								Engineering	
			Architecture of Railway Information	Compulsory	Compulsory	2		6	School of Electrical
			Systems	Computsory	2		0	Engineering	
								School of	
			Project Design of Information Processing	Compulsory	2	2	7	Electrical	
			Systems					Engineering	
	Group II		Electronic and Information Engineering					School of	
	Computer		Practice	Compulsory	4	4	7	Electrical	
	processing	nformation						Engineering	
	processing	processing		Electives	2		5	School of Electrical	
		Software Engineering	Liecuves	2		5	Engineering		
								School of	
			Digital Image Processing	Electives	2	0.5	5	Electrical	
								Engineering	
								School of	
			Computer Graphics	Electives	2	0.25	6	Electrical	
		Electives						Engineering	
		8	Multimedia Technology	Electives	2	0.5	6	School of Electrical	
		credits	Wuthinedia reciniology	Liectives	2	0.5	0	Engineering	
								School of	
			Principles and Applications of Databases	Electives	2	0.5	4	Electrical	
							Engineering		
								School of	
		Information Security Engineering	Electives	2		6	Electrical		
								Engineering	
			Intelligent Control	Electives	2		6	School of	

	Course T	уре	Course Name	Type of Courses	Total Credits	Practical Credits	Suggested Term	Teaching Department
				Courses	Cleuits	Cleuits	Term	Electrical
								Engineering
								School of
			Automation of Railway Operation	Electives	ectives 2	2	6	Electrical
			Control	Liecuves	2		0	Engineering
								School of
			High-Speed Railway Maintenance	Electives	2		6	Electrical
			Information Technology	Liceuves	2		0	Engineering
			Railway Information Resource					School of
				Electives	2		6	Electrical
			Management and Planning	Licenves	2		Ũ	Engineering
								School of
			Electronic Market Research C	Compulsory	1	1	1	Electrical
				1 1 1				Engineering
								Engineering
	0 11 1		Engineering Training A	Compulsory	2	2	1	Training
	Specialized	Compulsory		compulsory			1	Center
	experiment and Practice	8 credits						School of
	Plactice	creatts	Electronic Process Practice	Compulsory	2	2	2	Electrical
								Engineering
								School of
			Engineering Internship	Compulsory	3	3	3	Electrical
								Engineering
								School of
Graduatio	on Dissertation	Compulsory12credits	Graduation Dissertation	Compulsory	12	12	8	Electrical
								Engineering
					_			School of
Innovat	ion Practice	Compulsory2credits	Innovation Practice	Compulsory	2	2	2-7	Electrical
								Engineering