AUTOMATION

TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS	TEST OR ASSESS-MENT	HOURS PER WEEK IN 8 TERMS							
							1	2	3	4	5	6	7	8
REQUIRED COMMON COURSE	COMPULSORY	00100002	Outline of Modern Chinese History	2	36	T	2							
		00200004	Moral Education and Fundamentals of Law	3	54	A		3						
		00100001	An Introduction to Mao Zedong Thoughts, Deng Xiaoping Theory and the Important Thoughts of "Three Representives"	3. 5	72	T			4					
		00100003	Principles of Marxism	3	54	T			3					
		0010006*	College English	20	360	T	5	5	5	5				
		00100*1*	Physical Education	4	144	T	2	2	2	2				
		00100007	Basis of College Computer	2. 5	54	T	3							
		00100008	C Language Programming	3	72	T			4					
		00200005	Situation and Policy	2	36	A	√							
		00200006	Military Course	1	18	A	2							

The common courses total 54.0 credits, and among these the required common courses total 44.0 credits, the elective common course total 10 credits.

TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS	TEST OR ASSESS-MENT	1	2	3	4	5	6	7	8
REQUIRED BASIC COURSE	COMPULSORY	21204710	Engineering Drawing	2	36	A	2							
		6110011*	Advanced Mathematics (A)	10	180	T	6	6						
		6110112*	College Physics	6	108	T		3	3					
		24102710	Principles of Electric Circuit	4	72	T			4					
		24208410	Experiments of Electric Circuit	0. 5	18	A			2					
		61100310	Complex Function & Integral Transformation	3	54	T			3					
		61100520	Linear Algebra	2	36	T			2					
		61201920	Physics Experiment	1	45	A			3					
		24104110	Fundamentals of Electric Machine and Electric Traction	3	54	T				3				
		24110620	Analog Electronic Technology	2. 5	45	T				3				
		24110620 s	Experiments of Analog Electronic Technology	0. 5	18	A				1				
		24110720	Digital Electronic Technology	2. 5	45	T				3				
		24110720 s	Experiments of Digital ElectronicTechnology	0. 5	18	A				1				
		61100210	Probability and Mathematical Statistics	3	54	T				3				
		24205020	Fundamental of Software Design	2	36	A					2			

The required basic courses total 42.5 credits.

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TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS	TEST OR ASSESS-MENT	HOURS PER WEEK IN 8 TERMS							
							1	2	3	4	5	6	7	8
REQUIRED SPECIALIZED COURSE	COMPULSORY	24100710	Microcomputer Principles and Interface Technology	3	54	T					3			
		24103610	Principles of Automatic Control	4	72	T					4			
		24105210	Signal Analysis and Processing	2	36	T					2			
		24207610	English for Automation	2	36	A					2			
		24100910	Fundamentals of Modern Control Theory	2	36	T						2		
		24112710	Theory and Application of DSP	3	54	T						3		
		24112810	Electrical Control and PLC(Programmable Logic Controller)	2. 5	45	T						3		
		24205110	Simulation and CAD of Control System	2	36	A						2		
		24100810	Computer Control System	3	54	T							3	
		24110910	Automation Instrument and Process Control	4	72	T							4	

The required specialized courses total 27.5 credits.

TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS	TEST OR ASSESS-MENT	1	2	3	4	5	6	7	8
RESTRICTED ELECTIVE COURSE	ELECTIVE	24213410	Introduction to Speciality Automation	1	18	A	2							
		72200220	Information Retrieval and Utilization	1	18	A		2						
		24200210	Technology of Detection and Sensors	2	36	A				2				
		24103810	Motional Control	2	36	T						2		
		24204510	Automatic Control System of Engine Room	2	36	A						2		
		24207710	Computer Network Technology	2	36	A						2		
		24210010	Basis of System Identification	2	36	A						2		
		24212910	Engineering Application Software	2	36	A						2		
		24213610	The Basis of Modern Communication Principles	2	36	A						2		
		24104010	Marine Electric Drive Control System	2	36	T							2	
		24105510	DCS (Distributed Control System)	2	36	T							2	
		24213510	The Basis of Digital Image Processing	2	36	A							2	

There are 12 restricted elective courses, totaling 22.0 credits, and students must have 12 credits out of them.

Any elective courses total 6.0 credits.

TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS		1	2	3	4	5	6	7	8
PRACTICE	COMPULSORY	74060110	Military Training		2 weeks		√							
		24060120	Metal Craft Practice	1. 5	3 weeks					√				
		24063510	Printed Circuit Design & Production	1	2 weeks					√				

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TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS	TEST OR ASSESS-MENT	HOURS PER WEEK IN 8 TERMS							
							1	2	3	4	5	6	7	8
PRACTICE	COMPULSORY	24060520	Course Design of Microcomputer Principles and Interface Technology	0. 5	1 week						√			
		24061320	Course Design of Simulation and CAD of Control System	0. 5	1 week							√		
		24062910	Course Design of Theory and Application of DSP	0. 5	1 week							√		
		24063210	Professional Practice for Automation	1	2 weeks							√		
		24061010	Workshop Practice	0. 5	1 week								√	
		24062510	Comprehensive Practice of Automatic Control System	0. 5	1 week								√	
		24061420	Graduation Project/Thesis(Including Graduation Practice)	9	18 weeks									√
Students must have 3.0 credits from the second classroom.														
SUM				160	2682									