ELECTRICAL ENGINEERING AND INTELLIGENT CONTROL（SINO-DUTCH）

Form 1

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	00100001	An Introduction to Mao Zedong Thoughts, Deng Xiaoping Theory and the Important Thoughts of "Three Representives"	3. 5	72	T	4							
		00100002	Outline of Modern Chinese History	2	36	T	2							
		00100003	Principles of Marxism	3	54	T		3						
		00200004	Moral Education and Fundamentals of Law	3	54	A		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							
		21118720	C Language Programming(HZ)	3	72	T		24						
		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.

REQUIRED BASIC COURSE	COMPULSORY	21117610	Orientations on Engineering(HZ)	3	60	T	20							
		6110011*	Advanced Mathematics (A)	10	180	T	6	6						
		61100310	Complex Function & Integral Transformation	3	54	T		3						
		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					
		61100520	Linear Algebra	2	36	T			2					
		61201920	Physics Experiment	1	45	A			3					
		24104130	Fundamentals of Electrical Machinery and Electrical Drive（HZ）	3	54	T				18				
		24110620	Analog Electronics	2. 5	45	T				4				
		24110620 S	Experiments of Analog Electronics	0. 5	18	A				2				
		24110720	Digital Electronics	2. 5	45	T				4				
		24110720 s	Experiments of Digital Electronics	0. 5	18	A				2				
		24111710	Electromagnetic Compatibility(HZ)	2. 5	45	T					15			

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REQUIRED SPECIALIZED COURSE	COMPULSORY	24213210	Electrical Engineering&Intelligent Control	1	18	A	2							
		24103640	Principles of Autocontrol（HZ）	3	70	T			24					
		23204410	Embedded System Principles and Design	2	36	A				4				
		24100210	Technology of Detection and Sensors	2	36	T					2			
		24100820	Computer Control System	2	36	A					2			
		24100910	Modern Control Theory	2	36	T					2			
		24102330	Electric and Electronic Technology	2.5	45	T					4			
		24105210	Signal Analysis and Processing	2	36	T					2			
		24212910	Engineering Application Software	2	36	A					2			
		25100211	Principles and Applications of Industrial Controller(1)	2	36	T					2			
		25100212	Principles and Applications of Industrial Controller(2)	2	36	T					2			
		24212110	Intelligent Control System	2	36	T						2		
The required specialized courses total 24.5 credits.														
RESTRICTED ELECTIVE COURSE	ELECTIVE	24061320	Course Design of Simulation and CAD of Control System	0.5	18	A						18		
		24103810	Motion Control	2	36	T						4		
		24103810s	Experiments of Motion Control	0.5	18	A						2		
		24111610	Virtual Instrument	2	36	T						4		
		24204320	Process Control	2	36	A						4		
		24205110	Simulation and CAD of Control System	2	36	A						4		
		24062510	Comprehensive Application of Automatic Control System	0.5	18	A							√	
		24062910	Course Design of Principles and Application of DSP	0.5	18	A							√	
		24105510	DCS (Distributed Control System)	2	36	T							4	
		24112710	Principles and Application of DSP	3	54	T							4	
		24207710	Computer Network Technology	2	36	A							4	
		72200220	Information Retrieval and Utilization	1	18	A							2	
		F000001	Control System Analysis and Design	1									√	
		F000002	Simulation of Control System	1									√	

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RESTRICTED ELECTIVE COURSE	ELECTIVE	F000004	Virtual Instrumentation	2									√	
		F000005	Electrical Drive Technology	5									√	
		F000006	Trouble Shooting	2									√	
		F000009	Reliability Availability Maintainability	2									√	
		F000010	Major Project	5									√	
There are 20 restricted elective courses, totaling 37 credits, and students must have 16 credits out of them.														
Any elective courses total 6.0 credits.														
PRACTICE	COMPULSORY	74060110	Military Training		2 weeks		√							
		24060120	Metal Craft Practice	1.5	3 weeks							√		
		24063410	Professional Practice of Electrical Engineering and Intelligent Control	1	2 weeks						√			
		25060110	Course Design of Principles and Applications of Industrial Controller(1)	0.5	1 week						√			
		24062810	Comprehensive Design（HZ）	2	4 weeks							√		
		25060210	Course Design of Principles and Applications of Industrial Controller(2)	0.5	1 week							√		
		24063510	Printed Circuit Design & Production	1	2 weeks								√	
		24061420	Graduation Project/Thesis(Including Graduation Practice)	9	18 weeks									√
Students must have 3.0 credits from the second classroom.														
SUM				160	2695									