2020 Mas	ter progra	ım, Depart	ment of Electrical Engi	neering												
Course category			First grade							Second grade						
			1st semester			2nd semester			1st semester			2nd semester				
			Course Title	Credi	Hou	Course Title	Credi	Hou	Course	Credi	Hou	Cours	Credi	Hou		
				ts	rs		ts	rs	Title	ts	rs	e Title	ts	rs		
College Common Elective		Elective	Basic Design and Analysis of Switching Converters Microcredits/1/1													
Course			Robotic competition and challenge microcredits/1/1													
			Low-carbon energy in	ow-carbon energy industry and technology microcredits/1/1												
			Network and Queuin	g Theory	//1/1											
			Microwave Engineeri	Microwave Engineering and Application/1/1												
College Elective		Elective	Blockchain Technolog	gy and A	pplicat	ion/3/3										
Interdisciplinary			Blockchain smart cor	Blockchain smart contract agreement/3/3												
Courses																
Professio	Requir	Require	Special topics(1)	1	2	Special topics(2)	1	2	Special	1	2	Specia	1	2		
nal	ed	d							topics(1				
Courses		credits							3)			topics(
		10(credi										4)				
		ts)										Thesis	6	6		
				_	_					_	_					
	Electiv	Require	Reconstruction of	3	3	Teaching practice	1	1	Off-	2	2					
	е	d	Power System			microcredits			campus							
		credits	Operation						summe							
		24(credi							r							
		ts)							interns							
									hip							
			Adaptive Control	3	3	Quality of Service in	3	3								

	System			Wireless Networks					
	Network Database	3	3	Technology	3	3			
	Design			management practice					
	Special Topics on	3	3	Power Information	3	3			
	Patents			Integrated Design					
	Artificial Neural	3	3	Smart Grid Special Topic	3	3			
	Networks with								
	Applications								
	Optimization	3	3	Optical Design	3	3			
	Approaches								
	Genetic algorithm	3	3	Optical technology and	3	3			
	and application			practice					
	Special topics on	3	3	Data Mining	3	3			
	power electronics								
	Linear system	3	3	Robot Control	3	3			
	analysis and design								
	English scientific	3	3	Internet of Things	3	3			
	reports and writing			Topics					
	Special Topics on	3	3	Artificial Intelligence	3	3			
	Power SCADA			Application					
	The Application	3	3	Digital Control System	3	3			
	Data Warehouse			Design					
	Cloud and cluster	3	3	Electrical Energy Control	3	3			
	computing			and Management					
	Topics of	3	3	Special Topics on Power	3	3			
	Optoelectronic			Electronics Application					
	System Design								_
	Distribution	3	3	Fuzzy theory and	3	3			

automation			application				
Computer Vision	3	3	Nonlinear control	3	3		
Renewable Energy	3	3	Optimal Estimation	3	3		
Power system	3	3	Social Networks	3	3		
operation							
Power System	3	3	Data mining	3	3		
Economic Dispatch							
Reliability of power	3	3	Wireless	3	3		
system			Communications and				
			Networks				
The quality analysis	3	3	Advanced Computer	3	3		
of power system			Network				
Modern power	3	3	Advanced Computer	3	3		
system analysis			Simulation				
Power system	3	3	Advance Digital Signal	3	3		
protection			Process				
Wind Energy Project	3	3	Multimedia	3	3		
Analysis			Communication				
			Systems				
Introduction to	3	3	Distributed Systems	3	3		
Intellectual Property							
Rights							
Computer	3	3	Neural Networks	3	3		
Simulation							
Topics of Photonic	3	3	Multicore Computing	3	3		
Engineering							
Solid-state power	3	3	Special Topics For Power	3	3		
converter			Quality Improvement				

power converter interface for renewable energy	3	3	Special topics on motor driver	3	3		
Pattern Recognition	3	3	Robust Control	3	3		
Topics of Automatic Control	3	3	Text Mining and Nature Language Processing	3	3		
Advanced Social Computing	3	3	Advanced Access Network Technology	3	3		
High-Speed Networks	3	3	Digital power Analysis and practice	3	3		
Advanced Information System Design	3	3	Topics of Green energy and Energy storage Application	3	3		
Topics of Green energy Technology	3	3	Data Science and Big data Application	3	3		

Remarks:

- 1. The total credits for graduation are 34 credits.
- 2. 10 Compulsory credits and 24 elective credits.
- 3. College common courses are recognized as credits for the professional courses of the department; College interdisciplinary courses or courses offered by other colleges are recognized as credits for external departments.
- 4. The conditions set by the department (the course of study, certification, license, recognition of credits from other departments, and others):
- (1) Professional elective courses not offered by this department can be admitted only 3 credits.
- (2) The course of study, verification, licenses, etc. shall be handled in accordance with the school regulations.