Appendix 2: Relationships between courses and ELOs of ACET programme

Semester	Course Name	1.1	1.2	1.3	2.1	2.2	2.3	2.4	2.5	3.1	3.2	3.3	4.1	4.2	4.3	4.4	4.5	4.6
1	Introduction to ACET	✓					✓	✓	✓	✓	✓	✓						
	Advanced Mathematics A1	✓			✓			✓	✓	✓	✓							
	Advanced Mathematics A2	✓			✓			✓	✓	✓	✓							
	C Program Language	✓			✓			✓										
	General Physics A1	✓			✓					✓								
	General Chemistry A1	✓			✓						✓							
	English 1	✓								✓		✓						
	Physical education 1							✓		✓								
2	Electric circuit	✓	✓			✓										✓		
	Advanced Mathematics A3	✓			✓			✓	✓	✓	✓							
	Complex variable functions & Laplace transforms	✓	✓															
	General Physics A2	✓			✓					✓								
	English 2	✓								✓		✓						
	Physics experiment	✓				✓		✓		✓	✓							
	Physical education 2							✓		✓								
	Fundamental principles Marxism – Leninism	✓						✓	✓				✓	✓				
3	Power Supply System	✓	✓		✓	✓					✓	✓						
	Electrical measurement and instruments	✓	✓			✓					✓		✓					✓
	Basic Electronics	✓	✓			✓					✓					✓		
	Electrical Safety	✓	✓		✓	✓					✓	✓						
	Applied statistics probability	✓						✓	✓				✓	✓				
	English 3	✓								✓		✓						
	Physical education 3							✓		✓								
	Signals and Systems	✓	✓	✓		✓					✓				✓		✓	
	General law	✓						✓	✓	✓								
4	Digital Systems	✓	✓		✓	✓	✓				✓							
	Power Electronics	✓	✓		✓	✓					✓							
	Data Communication	✓	✓			✓					✓							
	Electrical Machines	✓	✓		✓	✓				✓								
	Automatic Control Systems	✓	✓			✓	✓				✓				✓			
	Measurement Engineering in Practice	✓	✓	✓	✓													✓
	Basic Electronics in Practice	✓	✓			✓				✓	✓	✓			✓	✓		
	Electric in Practice	✓	✓			✓			✓									✓
5	Microprocessor	✓	✓		✓	✓					✓	✓						
	Automatic Electric Drive	✓	✓			✓				✓	✓		✓	✓				✓

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Robotics	✓	✓		✓											✓		
	Modeling and Simulation using Computer	✓	✓		✓	✓				✓	✓	✓				✓	✓	
	Electric Machine in Practice	✓	✓		✓	✓				✓	✓	✓						✓
	Digital Systems in Practice	✓	✓	✓	✓	✓									✓	✓		
	Automatic Control Systems in Practice	✓	✓		✓	✓	✓		✓	✓	✓	✓				✓		
	Ho Chi Minh's ideology	✓						✓	✓	✓	✓							
	Vietnamese Communist Party Policy of Revolution	✓							✓	✓	✓		✓					
6	Electrical Equipment and Pneumatics	✓	✓		✓	✓					✓					✓		
	Advance Automatic Control Systems	✓		✓	✓				✓	✓	✓	✓			✓	✓	✓	
	Project 1	✓	✓	✓	✓	✓		✓		✓		✓	✓	✓	✓	✓		
	Project 2	✓	✓	✓	✓	✓		✓		✓		✓	✓	✓	✓	✓		
	Programmable Logic Controller	✓	✓		✓	✓				✓		✓				✓		
	Microprocessor in Practice	✓	✓	✓	✓	✓					✓					✓		
	Electric Drive in Practice	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓				✓
	Power Electronics in Practice	✓	✓	✓	✓	✓										✓		

Electives (6 Credits) in Economics and Society

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Data acquisition system and SCADA	✓	✓	✓						✓		✓				✓		
	Data Transmission and PLC Networks		✓	✓	✓	✓				✓	✓	✓				✓	✓	✓
	Project 3	✓	✓	✓	✓	✓		✓		✓		✓	✓	✓	✓	✓		
	Robotic in Practice	✓														✓	✓	
7	Programmable Logic Controller in Practice	✓	✓	✓	✓	✓									✓	✓		

Electives (6 Credits)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Intelligent Control	✓	✓		✓	✓	✓									✓		
	Embedded Systems	✓	✓	✓		✓					✓					✓		
	CAD in ACET	✓	✓	✓		✓									✓	✓		
	Industry Management	✓	✓	✓			✓		✓	✓	✓	✓						
	Industrial Image Processing	✓	✓	✓	✓	✓			✓	✓								
8	Professional Development Topics	✓	✓	✓	✓	✓			✓	✓	✓		✓					
	Internship	✓	✓	✓	✓	✓			✓		✓		✓					✓
	Graduation Thesis (Final Thesis)	✓	✓	✓	✓	✓			✓		✓	✓			✓	✓		