

BACHELOR PROGRAM IN ELECTRICAL AND ELECTRONIC ENGINEERING

Number of credits required: 130

Semester	Code	Subject	Credits
1 (15)		Basic principles of Marsism-Leninism 1	2
		Basic Informatics	3
		Foreign language 1	3
		Linear Algebra	3
		Mathematical Analysis	4
		Physical education 1 – Athletics (Compulsion)	
2 (18)		Basic principles of Marsism-Leninism 2	3
		Foreign language 2	4
		General Physics A	4
		General Chemistry	3
		Physical education 2&3 (Option)	
		Elective subjects	4
		General Logics	2
		Communication Skills	2
3 (17)		Electrical Circuits	4
		Electronic Elements	3
		Measurement and Sensors	4
		Research Methodology	2
		Elective subjects	4
		Computing Methods	2
		Electromagnetic field	2
		Science and Nanomaterials	2
		Method of Technical Innovation	2
		Function of a complex variable	2
		Programming Languages	2
4 (17)		Analog Electronics	4
		Electrical machines & Instruments	4
		Climate change and Energy	2
		Project Management and Production Organization	2
		Ho Chi Minh's Ideology	2
		Elective subjects	3
		Optoelectronics	3
		Electrical Materials	3
		Digital Signal Processing	3
	5		Digital Electronics
		Revolutionairy strategies of VietnamCommunist Party	3
		Automatic control	3
		Electric supply	4

(17)	Elective subjects		3
		Data Transmission Techniques	3
		Renewable energy sources	3
6 (17)		Microprocessor	4
		Power Electronics	3
		Electrical Safety	2
		PLC-Programmable Logic Controller	4
		Electricity Practicum	2
	Elective subjects		2
		Automation of The Production Process	2
		Marine Electronic Equipment	2
		Ship Electricity	2
7 (17)		Electrical Drive	4
		Industrial Communication Network	3
		Audio and Video Techniques	4
		Electronic Engineering Practicum	2
		Electrical DesignProject	2
		Electronic Circuit Design	2
8 (12)		Graduation Practicum	2
	Elective subjects 1		4
		Global Positioning Satellite System	2
		Antenna Techniques	2
		Microcontroler	2
		Power system Protection and Automation	2
	Elective subjects 2		6
		Power system analysis	3
		Lighting Techniques	3
		Wireless Network	3
		SCADA-DCS	3
		Electric Power System Quality	3
		Intelligent Control	3
		Power System Stability	3