



Department of Electrical & Electronic Engineering Independent University, Bangladesh

Proposed Four-Year Plan for ETE

Year	Trimester	Course Code	Course Title	Cr. Hrs	Total Cr. Hr.			
1	Trimester -1	ENG 101	Listening and Speaking Skills	3	12			
		MAT 111	Mathematics – I	3				
		PHY 111	Physics –I	3				
		HUM/SOC-1	Any one from Humanities/ Social Science Groups	3				
	Trimester-2	ENG 102	Listening and Speaking Skills	3	14			
		MAT 121	Prob. & Stat. for Sci. and Engg.	3				
		PHY 121	Physics –II	3				
		PHY 121L	Physics Lab	1				
		CSC 121	Introduction to Computer Programming	3				
		CSC 121L	Computer Programming Lab	1				
	Trimester-3	ENG 105	Business English	3	12			
		MAT 131	Mathematics - II	3				
EEE 131		Electrical Circuit-I	3					
ETE 132		Introduction to Materials & Chemistry	3					
2	Trimester-1	HUM/SOC-2	Any one from Humanities/ Social Science Groups	3	13			
		HUM/SOC-3	Any one from Humanities/ Social Science Groups	3				
		MAT 213	Mathematics-III	3				
		EEE 211	Electrical Circuit-II	3				
		EEE 211L	Electrical Circuit Lab	1				
	Trimester-2	HUM/SOC-4	Any one from Humanities/ Social Science Groups	3	12			
		MAT 221	Mathematics-IV	3				
		ETE 221	Electronics-I	3				
		EEE 225	Energy Conversion Engineering	3				
	Trimester-3	ETE 231	Signals and Systems	3	12			
		ETE 232	Digital Logic Design	3				
		ETE 232L	Digital Logic Design Lab	1				
		ETE 234	Electronics-II	3				
		ETE 234L	Electronics Lab	1				
		ETE 235L	Circuits, Signals and Systems Simulation Lab	1				
	3	Trimester-1	ETE 312	Communication Engineering Fundamentals	3	13		
			ETE 312L	Communication Engineering Fundamentals Lab	1			
			ETE 313	Electromagnetic Fields and Waves	3			
ETE 314L			Numerical Technique Lab	1				
ETE 315L			Electronic and Telecom Project Lab	1				
ETE 316			Microprocessor and Interfacing	3				
ETE 316L			Microprocessor and Interfacing Lab	1				
3	Trimester-2	ETE 321	Computer Networks	3	15			
		ETE 321L	Computer Networks Lab	1				
		ETE 323	Digital Communication	3				
		ETE 323L	Digital Communication Lab	1				
		ETE 324	Digital Signal Processing	3				
		ETE 324L	Digital Signal Processing Lab	1				
		LFE 201	Live-in-Field Experience	3				
	Trimester-3	ETE 332	RF and Microwave Engineering	3	13			
		ETE 333	Telecom. Networks and Switching Systems	3				
		ETE 334	Embedded Systems	3				
		ETE 335	Wireless Communication	3				
		ETE 335L	Wireless Communication and Microwave Engineering Lab	1				
		4	Trimester-1	ETE 411		Optical Fiber Communications	3	14
				ETE 411L		Optical Fiber Communications Lab	1	
ETE 413	Sensor and Instrumentation			3				
ETE 413L	Sensor and Instrumentation Lab			1				
Optional-1	Anyone from Concentration (Optional) Group			3				
Optional-2	Anyone from Concentration (Optional) Group			3				
Trimester-2	ETE 422		Ethics, Engineering Economics and Management	3	12			
	ETE 423		Network Operating System and Admin.	3				
	Optional-3		Anyone from Concentration (Optional) Group	3				
	ETE 498 / Optional-4		Sr. Project / Optional-4 (For Internship Student)	3				
Trimester-3	ETE 498/ETE 497	Sr. Project (contd.) / Internship	3	3				