B. Sc. Electrical Engineering

Section: Theory A------- Lab A

	Course Code	Course Title	Credit Hours	Sections
Semester 2	EE1813	Linear Circuit Analysis	3	1
	EE1811	Linear Circuit Analysis Lab	1	1
	EE1011	Engineering Drawing	1	1
	ENG211	Expository Writing	3	1
	EEMT1023	Applied Mathematics II	3	1
	ISL110	Islamic Studies	2	1
	EECS1213	Computer Programming	3	1
	EECS1211	Computer Programming Lab	1	1
	EE1021	Electrical Workshop Practice i. Electrical Installation ii. Machine and Metal Shop	1	1
	Course Code	**Course Title**	**Credit Hours**	**Sections**
Semester 4	EE2313	Digital Logic Design	3	1
	EE2311	Digital Logic Design Lab	1	1
	EE2713	Signals and Systems	3	1
	EE2711	Signals and Systems Lab	1	1
	EE2833	Electrical Machines	3	1
	EE2831	Electrical Machines Lab	1	1
	EEMT2063	Multivariable Calculus	3	1
	EEME2033	Basic Mechanical Engineering	3	1
	Course Code	**Course Title**	**Credit Hours**	**Sections**
	EEME3043	Thermodynamics	3	1
	EEMG3013	Engineering Economics	3	1

	Course Code	Course Title	Credit Hours	Sections
Semester 6	EE3613	Linear Control Systems	3	1
	EE3611	Linear Control Systems Lab	1	1
	EE3253	Microcontroller Based Design	3	1
	EE3251	Microcontroller Based Design Lab	1	1
	PEN3213	Power System Analysis	3	1
	PEN3211	Power System Analysis Lab	1	1
Semester 8	**Course Code**	**Course Title**	**Credit Hours**	**Sections**
	EED4924	Senior Design Project – II	4	1
	EEMG4043	Engineering Management	3	1
	EE4423	Deep Learning	3	1
	EE4421	Deep Learning Lab	1	1
	ETN4223	Power Electronics	3	1
	ETN4221	Power Electronics Lab	1	1
	ETN4123	RF and Microwave Engineering	3	1
	EECS4253	Introduction to IoT	3	1
	EECS4251	Introduction to IoT Lab	1	1