

B.Sc. in Electrical and Computer Engineering Program Courses 2022-2023

First Year					
First Semester		ECTS	Second Semester		ECTS
EE1101	Electrical Circuit I	6	EE1206	Electrical Circuit II	6
EE1102	Calculus I	6	EE1207	Calculus II	6
EE1103	Physical Electronics	6	EE1205	Computer Programming	6
EE1104	English Language I	4	EE1208	English Language II	4
EE1110	Computer Skills	4	EE1218	Engineering Drawing	4
EE1112	Kurdology	4	EE1214	Academic Debate	4

Second Year					
First Semester		ECTS	Second Semester		ECTS
EE2101	Engineering Mathematics	4	EE2208	Differential Equations	6
EE2102	D.C Machines and Transformers	5	EE2209	A.C Machines	4
EE2103	Electronic circuit	6	EE2211	Signal and systems	6
EE2110	Digital System Design	6	EE2204	Introduction to Microprocessors	5
EE2115	Data structure and algorithms	6	EE2117	Engineering Mechanics	6
EE2214	Probability	3	EE2216	Miniproject	3

Third Year					
First Semester		ECTS	Second Semester		ECTS
EE3101	Electrical Power Engineering	4	EE3203	Electromagnetics	5
EE3102	Computer Architecture	4	EE4103	Control Engineering	6
EE3104	Digital signal processing	6	EE4105	Starting and Running Business	4
EE3105	Microcontrollers	6	EE3210	Power Electronics	6
EE3212	Engineering Economics	4	EE3106	Digital Integrated Circuit Design	4
EE3114	Communication systems	6	EE3208	Operating Systems (elective)	5
			EE3207	Renewable Energy (elective)	5

Fourth Year					
First Semester		ECTS	Second Semester		ECTS
EE4201	Mechatronics	6	EE4213	Advanced Communication Systems	6
EE4212	Estimation	4	EE4204	Project	18
EE4106	Computer Networking	4		Internship	6
EE4108	Microwave Engineering	6			
EE4109	Power System Analysis	6			
EE4211	Image Processing	4			