

**School of Engineering Technology**

**Department of Electrical Engineering**

**Bachelor Degree – Electrical Engineering: 72 Credit Hours**

**Summary:**

Classification	Credit Hours		
	Compulsory	Elective	Total
University Requirements	12	0	12
School Requirements	12	0	12
HTU Department Requirements	10	0	10
HNC Department Requirements	32	0	32
Placement in Industry Requirements	6	0	6
<b>Total</b>	<b>72</b>	<b>0</b>	<b>72</b>

**0. English Language Prerequisites:**

Depends on the results of English language placement test

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
10301099	Foundation English Pre-Intermediate Intensive + Lab	4	8	1	Placement Test <30

**1. University Requirements: 12 Credit Hours**

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
10301100	Foundation English Intermediate Intensive + Lab	4	8	1	Placement Test 30-42 or 10301099
10303101	Soft Skills I	2	0	2	-
10302191	Science & Society Seminar I: Arab Contributions to Science and Arts	1	0	1	-
	STEM Lab I	1	0	1	-
	STEM Lab II	1	0	1	STEM I
	Workshop I	2	0	2	-
	Workshop II	1	0	1	Workshop I
<b>Total</b>		<b>12</b>			

**2. School Requirements – Mandatory: 12 Credit Hours**

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
	Functional Math	3	3	0	-
	Functional Physics	3	3	0	-
	Fundamentals of Computing	4	3	1	-
	Introduction to Engineering Drawing	1	0	1	
	Advanced workshop	1	0	1	
<b>Total</b>		<b>12</b>			

**3. Department Requirements: 10 Credit Hours:**

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
	Mechatronics	4	3	1	
	Signal Analysis	3	3	0	
	Electromagnetic Principles	3	3	0	
<b>Total</b>		<b>10</b>			

**4. Higher National Certificate (HNC) Department Requirements (32 Credit Hours)**

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
	Engineering Math	4	3	1	
	Engineering Design	4	3	1	
	Engineering Science	4	3	1	
	Managing A Professional Engineering Project (Pearson-set)	4	3	1	
	Electrical and Electronic Principles	4	3	1	
	Digital Principles	4	3	1	
	Electronic Circuits and Devices	4	3	1	
	Instrumentation and Control Systems	4	3	1	
	<b>Total</b>	<b>32</b>			

**5. Placement in Industry Requirements (6 Credit hours)**

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
	Practical Training	6	0	24	
	<b>Total</b>	<b>6</b>			