ELECTRICAL ENGINEERING

B.TE	ECH.							Template No. EE-1
				SET	MESTER			
С	18	2 nd	3rd	4th	5 th	6 th	7th	8th
0	MTH101A [11]	MTH102A [11]	COM200 [05]	EE210A [11]	EE320A [11]	DE-1 [09]**	HSS-4 (Level-2) [09]	DE-3 [09]
	PHY101A [03]	PHY103A [11]	EE200A [11]	EE250A [11]	EE330A [11]	DE-2 [09]"	OE-2 [09]	DE-4 [09]
U	PHY102A [11]	CHM101A [03]	ESC201A [14]	ESO203A [13]	EE370A [11]	EE340A [11]	OE-3 [09]	HSS-5 (Level-2) [09]
R	LIF101A [06]	ESC101A [14]	ESO/SO [8]*	HSS-2 (Level-1) [11]	EE380A (Lab) [12]	EE381A [12]	OE-4 [09]	OE-5 [09]
s	ENG112A/HSS-1 (Level-1) [11]	CHM102A [08]	SO-1 [06] (MSO202A]	SO-3 [11] MSO201A	OE-1 [09]	HSS-3 (Level 2) [09]	OE/DE/UGP-3 (EE491A) [09]	OE-6 [09]
E S	PE101A [03]	PE102A [03]	SO-Z [06] (MSO203B]	TA202A [06]	EE390A [02]	OE/DE/UGP-2 (EE392A) [09]	•11	UGP-4 [09] (EE492A) (Extra Credits)
	TA101A [09]	-	TA201A [06]		UGP-1 [04] (EE391A) (Extra Credits)		<u>.</u>	-
	54	50	56*	63	56/60	59	45	45/54

MINIMUM CREDIT REQUIREMS Institute Core (IC)	:	124	Credits				Basket - A EE311A (09
Department Compulsory (DC)	:	103	Credits				EE321A [09
**Department Elective (DE)	:	36	Credits				EE360A [09]
Open Elective (OE)	:	54	Credits				EE301A [09]
UGP2-3/DE/OE	:	18	Credits				
ESO/SO	:	44	Credits				3
HSS (Level-I)	:	22	Credits				
HSS (Level-II)	:	27	Credits				
Total	:	428	Credits				

- REMARKS:

 1) *The open ESO/SO slot may be filled by any ESO/SO course of 8 credits or more.

 2) **DE-1 and DE-2 (both) should be selected from Basket-A.

 3) **Out of the 18 credits for UGP-2 and UGP-3, only 09 credits may be added as DE credits (where the other 09 may be added as DE credits) OR all 18 credits may be added as DE credits.

 4) UGP-1.8 UGP-4 are optional and do not count towards degree requirements.

 5) UGP-1.2, 3 and 4 (EE391A, EE392A, EE491A and EE492A) may be taken in any order from the 5th to 8th semester.

 6) Upto 36 OE credits may be waived from the minimum requirements for students opting for either Dual Degree or Double Major programme.

С	l contract catego	ory A) (from the same	acparament)		Template No.EE-2
0	7 th	8th	SUMMER	gth	10th
UR	DE PG-1 [09]	PG-3 [09]	M.Tech. Thesis [09] (EE699A)	PG-6 [09]	M.Tech. Thesis [36] (EE699A)
S	DE PG-2 [09]	PG-4 [09]	e. 10	M.Tech. Thesis [27]	
E	16.5	PG-5 [09]		(EE699A)	
S	18	27	09	36	36

MINIMUM CREDIT REQUIREMENT IN M.TECH PART FOR GRADUATION:

PG Component : 54 Credits Thesis Component : 72 Credits

- 1) In the 7th semester, in addition to the courses listed above for the PG requirement, students will be expected to complete their UG requirements by taking HSS-4 (level 2), OE-2 and OE-3 (lotal of 27 credits). In the 8th semester, in addition to the courses listed above for the PG requirements, students will be expected to complete their UG requirements by taking HSS-5 (level 2), DE-3 and DE-5 (total of 27 credits).

 2) BT-MT students are NOT permitted to take EE491A (UGP-3) and EE492A (UGP-4) as part of their UG curriculum.

 3) Upto 36 credits (from a combination of OS, DE, UGP2-3/DE/OE credits as listed in the BT template minimum requirements) may be used to fulfil requirements for the 8T-MT dual degree programme. These will be waived from the BT programme and counted towards PG requirements. The total minimum 8T-MT dual degree (category A) credit requirement will be 518.

 4) PG-3, 4, 5 & 6 are to be taken with the permission of thesis supervisor.

DOI	UBLE MAJOR	Template No. EE-3						
	Odd Semester	Even Semester						
	Pre-Requisites							
C	ESO203A [13]	MSO201A [11]						
0	MSO202a [06]							
U	MSO203b [06]							
R	Mandatory EE Courses							
S	EE200A [11]	EE210 / EE250 [11]						
S	EE320A [11]	Any ONE combination from Basket – B [33-41]						
	EE330A [11]	EE DE PG [09] (optional)						
	EE370A [11]							
	EE380A [12]/ EE480A [10]							
	EE DE PG [09] / EE391A [04] / EE492A [09]	1						
	(Optional)							
	•							
	54-65	44-61						

TOTAL MANDATORY CREDITS FOR SECOND MAJOR IN ELECTRICAL ENGINEERING: 98 CREDITS

REMARKS:

1) All PG courses should be taken in consultation with the EE DUGC.

2) Upto 36 OE credits may be walved from the parent department BT/BS graduation requirements when they are used to fulfill requirements for the double major.

Basket - A		Basket – B
EE321A [09]	1.	3 PG Courses + 1 Course from Basket - A
EE301A [09]	2.	2 PG Courses + 2 Courses from Basket - A
EE340A [11]	3.	1 PG Course + 3 Courses from Basket - A
EE311A [09]	4.	1 PG Course + 2 Course from Basket - A
EE360A [09]		+ UGP-3 (EE491A)
EE381 [12]/	5.	2 PG Courses + 1 Course from Basket - A
EE481 [06]		+ UGP-3 (EE491A)
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MINO	R		Marie Carlos Car		Template No.EE-4
Title	MICROELECTRONICS/ DIGITAL SYSTEMS	POWER	COMMUNICATIONS SIGNAL PROCESSIN		RF & PHOTONICS
С	EE200A [11]	EE200A [11]	EE200A [11]	EE200A [11]	EE200A [11]
0	EE210A [11]	EE330A [11]	EE320A [11]	EE250A [11]	EE340A [11]
U R S E	EE311A [09]/ EE370A [11]	EE360A [09]	EE321A [09]/ EE301A [09]	EE650A [09]	EE612A [09]/ EE642A [09]/ EE648A [09]
	31/33	31	31	31	31

CHM 201	Chemistry						
Com-S 200	Communication Skills						
ESO 202	Thermodynamics or						
ESO 214	Nature & Properties of Materials						
EE 200	Signals, Systems and Networks						
TA 201	Introduction to Manufacturing						
MTH 203	Mathematics III						
ESO 209	Probability & Statistics						
ESO 210	Introduction to Electrical Engg.						
EE 210	Microelectronics - I						
EE 250	Control System Analysis						
HSS							
EE 320	Principles of Communication						
EE 330	Power Systems						
EE 370	Digital Electronics & Micro-processor Technology						
EE 380	Electrical Engineering Lab I						
HSS							
OE	Open Elective						
EE 340	Electromagnetic Theory						
EE 381	Electrical Engineering Lab II						
SE	Science Elective						
	Three courses out of the following four:						
EE 301	Digital Signal Processing						
EE 311	Microelectronics II						
EE 321	Communication Systems						
EE 360	Power Electronics						
SE	Science Elective						
OE	Open Elective						
DE	Department Elective						
DE	Department Elective						
EE 491	Project-I						
HSS							
DE	Department Elective						
OE	Open Elective						
OE	Open Elective						
EE 492	Project - II						