



YANBU TECHNICAL INSTITUTE

Electrical, Electronics, Instrumentation Skills Department (EEISD)

Industrial Electrical Maintenance Technician (IEMT) Program

STUDY PLAN

Year 1 (Semester I)

COURSE CODE	COURSE TITLE	TH	LH	CH	CR	Co-requisite	Pre-requisite
BSEN 111	English I	20	0	20	8	None	None
BSIB 111	Islamic Culture and Workplace Behavior	3	0	3	3	None	None
BSHS 111	Occupational Health & Safety	0	2	2	1	None	None
BSID 111	Engineering Drafting	0	3	3	1	None	None
Total		23	05	28	13		

Year 1 (Semester II)

COURSE CODE	COURSE TITLE	TH	LH	CH	CR	Co-requisite	Pre-requisite
BSEN 121	English II	20	0	20	8	None	BSEN 111
BSWP 121	Workshop Practices	0	3	3	1	None	BSHS 111
BSMA 121	Mathematics	3	3	6	4	None	None
BSCA 121	Computer Application I	0	3	3	1	None	None
Total		23	09	32	14		

Year 2 (Semester III)

COURSE CODE	COURSE TITLE	TH	LH	CH	CR	Co-requisite	Pre-requisite
ENGL 211	English Communication	3	0	3	3	None	BSEN 121
IEMT 211	Electrical Circuits	2	3	5	3	None	None
IEMT 212	Electrical Wiring I	0	6	6	2	IEMT 211	None
IEMT 213	Electrical Machine I	2	6	8	4	IEMT 211	None
IEMT 214	Motor Controls I	1	6	7	3	IEMT 211	None
IEMT 215	Electrical Blueprint Reading	1	3	4	2	IEMT 211	None
Total		9	24	33	17		

Year 2 (Semester IV)

COURSE CODE	COURSE TITLE	TH	LH	CH	CR	Co-requisite	Pre-requisite
IEMT 221	Electrical Power System	2	3	5	3	None	IEMT 211
IEMT 222	Electrical Wiring II	0	6	6	2	None	IEMT 212, IEMT 214
IEMT 223	Electrical Machine II	2	6	8	4	None	IEMT 213
IEMT 224	Motor Controls II	2	3	5	3	IEMT 223	IEMT 214
IEMT 225	Electrical Troubleshooting and Maintenance	1	6	7	3	IEMT 221 IEMT 223	IEMT 213
Total		7	24	31	15		

Year 3 (Semester V)

COURSE CODE	COURSE TITLE	TH	LH	CH	CR	Co-requisite	Pre-requisite
IEMT 311	Cooperative Training (14 Weeks x 40= 560 hours)	0	0	40	3	None	Completion of all academic courses
Total		0	0	40	3		

	Department Council Approval	YTI Council Approval
Meeting No. / Reference	No. 08/2020-21	YTI_2020-2021_8
Date	April 7, 2021	April 8, 2021

