

Bachelor of Engineering Program in Electrical Engineering (Revised B.E.2017)

Year 1 – Semester 1

Course	Title	Credit
ENGL1101	Fundamental English	2
MATH0110	Mathematics I	3
MUTA0001	Preliminary Project Design	0
PHYS0110	Physics I	3
PHYS0190	Physics Laboratory I	1
SOHU0019	Innovation and Creativity	3
STAT0115	General Statistics	3
<u>Total</u>		<u>15</u>

Year 1 – Semester 2

Course	Title	Credit
MATH0111	Mathematics II	3
MECH0110	Engineering Mechanics	3
MECH0115	Basic Engineering Drawing	3
MECH0190	Basic Tool Skills Practice	3
PHYS0111	Physics II	3
PHYS0191	Physics Laboratory II	1
<u>Total</u>		<u>16</u>

Year 1 – Semester Summer

Course	Title	Credit
CHEM0120	Chemistry	3
CHEM0190	Chemistry Laboratory	1
ENGL1102	Fundamental English for Academic Purposes	2
<u>Total</u>		<u>6</u>

Year 2 – Semester 1

Course	Title	Credit
EECC0210	Electric Circuit Analysis	3
EECM0215	Electromagnetics	3
EECM0310	Principles of Communication	3
EECP0101	Introduction to Computer	3
EEET0390	Electrical Engineering Laboratory I	2
ENGL2101	Fundamental English Communication	2
MATH0210	Mathematics III	3
<u>Total</u>		<u>19</u>

Year 2 – Semester 2

Course	Title	Credit
EECI0315	Electrical Instruments and Measurements	3
EECP0210	Digital System Design	3
EEET0210	Electronic Devices and Circuits	3
EEPW0210	Electrical Machine I	3
ENCC0005	Engineering Innovation	3
ENGL2102	English Communication in the Workplace	2
MATH0211	Mathematics IV	3
MUTA0002	Critical Project Design	0
<u>Total</u>		<u>20</u>

Year 3 – Semester 1

Course	Title	Credit
EECP0215	Microprocessor-Based System Design	3
EEXX03XX	Required courses by track/dept in Electrical Engineering	3
EEXX03xx	Required courses by track/dept in Electrical Engineering	3
EEXX03xx	Required courses by track/dept in Electrical Engineering	3
EEXX0391	Electrical Engineering Lab II	2
MATS0310	Engineering Materials	3
XXXXxxxx	Free Elective	3
<u>Total</u>		<u>20</u>

Year 3 – Semester 2

Course	Title	Credit
EECI0310	Control Systems	3
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
ENGLxxxx	English Elective	2
<u>Total</u>		<u>20</u>

Year 3 – Semester Summer

Course	Title	Credit
INDT0390	Industrial Training	0(160 hrs.)
<u>Total</u>		<u>0</u>

Year 4 – Semester 1

Course	Title	Credit
EEXX0490	Electrical Engineering Project I	2
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
EEXXxxxx	Electrical Engineering Elective	3
SCIE0103	Earth and Space	3
<u>Total</u>		<u>17</u>

Year 4 – Semester 2

Course	Title	Credit
EEXX0491	Electrical Engineering Project II	2
EEXX02xx	Required courses by track/dept in Electrical Engineering	2
EEXXxxxx	Electrical Engineering Elective	3
XXXXxxxx	Free Elective	3
MECH225	Basic Mechanical Engineering	3
ENCC0006	Ethics for Engineers	1
ENGL1308	English for Future Careers	2
MATH0203	Discrete Mathematics	3
ENGL1000	English Exit Exam	0
<u>Total</u>		<u>19</u>