

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

Year 1 - Semester 1

Year 1 - Semester 2

Course	Title	Credit	Course	Title	Credit
ENGL1101	Fundamental English	2	MATH0111	Mathematics II	3
MATH0110	Mathematics I	3	MECH0110	Engineering Mechanics	3
MUTA0001	Preliminary Project Design	0	MECH0115	Basic Engineering Drawing	3
PHYS0110	Physics I	3	MECH0190	Basic Tool Skills Practice	3
PHYS0190	Physics Laboratory I	1	PHYS0111	Physics II	3
SOHU0019	Innovation and Creativity	3	PHYS0191	Physics Laboratory II	1
STAT0115	General Statistics	3			
	<u>Total</u>	<u>15</u>		<u>Total</u>	<u>16</u>

### Year 1 – Summer Semester

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

Year 2 – Semester 1

### Year 2 - Semester 2

Course	Title	Credit	Course	Title	Credit
CIVL0215	Solid Mechanics	3	CIVL0212	Concrete Technology	3
CLVL0241	Engineering Survey	4	CIVL0242	Route Survey	4
CIVL0221	Applied Mathematics in Civil Engineering	3	CIVL0311	Structural Analysis I	3
EECP0101	Introduction to Computer	3	CIVL0320	Applied Solid Mechanics	3
ENGL2101	Fundamental English Communication	2	ENCC0005	Engineering Innovation	3
MATH0210	Mathematics III	3	MATH0211	Mathematics IV	3
MECH0220	Thermodynamics	3	MATS0310	Engineering Materials	3
			MUTA0002	Critical Project Design	0
	<u>Total</u>	<u>21</u>		<u>Total</u>	<u>22</u>

### **Year 2 – Summer Semester**

Course	Title	Credit
CIVL0243	Surveying Field Practice	0(80 hrs.)
	<u>Total</u>	<u>0</u>



# Year 3 – Semester 1

## Year 3 – Semester 2

Course	Title	Credit	Course	Title	Credit
CIVL0210	Civil Engineering Materials and	3	CIVL0261	Engineering Hydrology	3
	Testing				
CIVL0260	Hydraulics	3	CIVL0371	Soil Mechanics	3
CIVL0262	Hydraulics Laboratory	1	CIVL0372	Soil Mechanics Laboratory	1
CIVL0312	Structural Analysis II	3	CIVL0413	Timber and Steel Design	4
CIVL0411	Reinforced Concrete Design	4	ENGL2102	English Communication in the	2
				Workplace	
ENGLxxxx	English Elective	2	XXXXxxxx	Free Elective	3
XXXXxxxx	Free Elective	3			
	<u>Total</u>	<u>19</u>		<u>Total</u>	<u>16</u>

### **Year 3 – Summer Semester**

Course	Title	Credit
CIVL0390	Civil Engineering Training	0(160 hrs.)
	<u>Total</u>	<u>0</u>

## Year 4 – Semester 1

### Year 4 – Semester 2

Course	Title	Credit	Course	Title	Credit
CIVL0280	Water Supply and Sanitary	3	CIVL0361	Hydraulic Engineering	3
	Engineering				
CIVL0350	Construction Management	3	CIVL0414	Prestressed Concrete Design	3
CIVL0373	Foundation Engineering	4	CIVL0415	Computer Method in Civil	2
				Engineering	
CIVLXXXX	Civil Engineering Elective	3	CIVL0431	Highway Engineering	3
CIVL0490	Civil Engineering Project I	2	CIVL0491	Civil Engineering Project II	2
ENGL1308	English for Future Careers	2	CIVLXXXX	Civil Engineering Elective	3
SCIE0103	Earth and Space	3	ENCC0006	Ethics for Engineers	1
	<u>Total</u>	<u>20</u>		<u>Total</u>	<u>17</u>