

Year V: Semester I		
ARC 5101	Architectural Project Reports	10
ARC 5102	Professional Architectural Practice	2
ARC 5103	Architectural Project Management III	2

Semester II		
A 5201	Architectural Design Thesis	15
	Total Credit Units for Year V	28

BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BCIV)

Programme Structure

Year I: Semester I		CU
CIV 1101	Civil Engineering Drawing	4
CIV 1102	Introduction to Civil Engineering	3
CIV 1103	Statistics and Dynamics for Civil Engineers	3
CIV 1135	Fluid Mechanics	5
CIV 1131	Engineering Drawing	4
CIV 1132	Introduction to Civil Engineering	4
CIV 1133	Mechanics	4
CIV 1134	Strength of Materials	5
CIV 1135	Fluid Mechanics	5
CSK 1101	Communication Skills	
EMT 1101	Engineering Mathematics I	4
EMT 1103	Mathematics for Architecture	4
EMT 1104	Information Communication Technology I	4
EMT 1134	Computer Science	4
TEC 1101	Communication Skills for Technology	3
TEC 1131	Communication Skills	3
TEC 1132	Communication Skills	4
MEC 1101	Engineering Drawing	4
Semester II		
EMT 1201	Engineering Mathematics II	4
EMT 1202	Information Communication Technology II	4
EMT 1232	Computer Science II	4
EMT 1234	Computer Science I	5
CIV 1201	Strength of Materials	4
CIV 1202	Fluid Mechanics for Civil Engineers	3
CIV 1203	Electrical Engineering for Civil Engineers	3
CIV 1204	Fluid Mechanics	3

CIV 1231	Mechanics	3
CIV 1232	Theory of Structures I	4
CIV 1233	Electrical Engineering	5
CIV 1235	Engineering Drawing	5
CIV 1236	Thermodynamics	4
TEC 1231	Sociology	3
ELE 1203	Computer Programming for Electrical ENG I	3
MEC 1201	Engineering Mechanics II	3
Recess Term		
IND 1301	Workshop Practice	2
TEC 1301	Workshop Practice	2
TEC 1331	Workshop Practice	5
	Total Year I Credit Units	5
Year II: Semester I		
EMT 2101	Engineering Maths III	4
CIV 2101	Theory of Structures I	3
CIV 2102	Engineering Geology	3
CIV 2103	Engineering Surveying I	4
CIV 2104	Hydraulics	4
CIV 2105	Thermodynamics for Civil Engineers	2
CIV 2131	Soil Mechanics	5
CIV 2132	Engineering Geology	4
CIV 2136	Engineering Geology	5
CIV 2133	Surveying	4
CIV 2134	Surveying	5
CIV 2135	Thermodynamics	3
CIV 2137	Strength of Materials	4
CIV 2138	Theory of Structures II	4
TEC 2101	Sociology of Technology	4
TEC 2131	Sociology	4

Semester II		
EMT 2201	Engineering Mathematics IV	3
EMT 2202	Information Communication Technology III	4
EMT 2205	Computer Science III	3
EMT 2231	Engineering Mathematics IV	4
EMT 2232	Computer Science II	5
CIV 2201	Soil Mechanics	4
CIV 2202	Theory of Structures II	3
CIV 2203	Civil Engineering Materials	2
CIV 2204	Engineering Surveying II	4
CIV 2205	Economics for Civil Engineers	3
CIV 2206	Route Surveying	4
CIV 2231	Fluid Mechanics	3
CIV 2232	Theory of Structures I	4
CIV 2233	Civil Engineering Materials	5
CIV 2235	Hydraulics and Hydrology	5
CIV 2236	Design Concepts	3
CIV 2237	Sociology	3
Recess Term		
CIV 2301	Industrial Training for Civil Engineers I	2
CIV 2332	Industrial Training I	5
IND 2301	Industrial Training I	2
	Total Year II Credit Units	49
Year III: Semester I		
CIV 3101	Organizational Theory for Engineers	4
CIV 3102	Design Structures I (Concrete)	4
CIV 3103	Highway Engineering	4
CIV 3104	Hydrology I	4
CIV 3105	Construction Technology	3
CIV 3106	Civil Engineering Environmental Chemistry	3
CIV 3107	Principles of Quantity Surveying	4
CIV 3131	Environmental Chemistry	4
CIV 3132	Theory of Structures II	4
CIV 3133	Highway Engineering	5
CIV 3134	Hydraulics and Hydrology	4
CIV 3135	Soil Mechanics	4
CIV 3136	Design of Structures I	4
CIV 3137	Water Resources Engineering	5
CIV 3138	Public Health Engineering I	5
Semester II		

CIV 3201	Foundation Engineering	4
CIV 3202	Group Civil Engineering Project	4
CIV 3203	Design of Structures II (Steel)	3
CIV 3204	Water Resources Engineering	4
CIV 3205	Public Health Engineering I	4
CIV 3232	Project Design	5
CIV 3233	Design of Structures I	4
CIV 3234	Water Resources Engineering	4
CIV 3236	Route Surveying	5
CIV 3237	Introduction to Civil Eng. Management	5
Recess Term		
CIV 3301	Industrial Training for Civil Engineers II	2
CIV 3332	Industrial Training II	5
IND 3301	Industrial Training II	2
	Total Year III Credit Units	51
Year IV: Semester I		
CIV 4100	Civil Engineering Project I	4
CIV 4101	Civil Engineering Management	3
CIV 4102	Civil Engineering Infrastructure Maintenance	4
CIV 4103	Traffic and Transport Engineering	3
CIV 4104	Public Health Engineering II	4
CIV 4105	Design of Structures III (Timber and Masonry)	4
CIV 4106	Hydrology II	3
CIV 4108	Design of Structures (Steel)	4
CIV 4131	Civil Engineering Management	4
CIV 4132	Design of Structures II	4
CIV 4133	Traffic and Transportation Engineering	4
CIV 4134	Project Work	4
CIV 4135	Civil Infrastructure Maintenance	4
Semester II		
CIV 4200	Civil Engineering Project II	4
CIV 4201	Civil Engineering Law	4
CIV 4202	Water Resources Engineering II	3
CIV 4203	Civil Engineering Economy	3
CIV 4204	Introductory Dynamics of Structures	3
CIV 4204	Civil Eng. Environmental Quality Management	3
CIV 4205	Geotechnical Engineering	3

CIV 4206	Civil Engineering Environmental Quality Management	3
CIV 4207	Water Transmission and Distribution	3
CIV 4208	Waste Water Treatment and Management	3
CIV 4209	Human Resources Management and Enterpr.	3
CIV 4230	Project Work	6
CIV 4231	Civil Engineering Economy	4
CIV 4233	Geotechnical Engineering	4

CIV 4234	Introductory Dynamics of Structure	4
CIV 4235	Civil Infrastructure Maintenance	3
CIV 4236	Public Health Engineering II	3
* The following shall be treated as Elective Courses		
CIV 4201	Civil Engineering Law	4
CIV 4205	Geotechnical Engineering	4

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BELE)

Programme Structure

Year I: Semester I		CU
CSK 1101	Communication Skills	
CSK 1102	Receptive and Productive Skills of Comm.	
EMT 1101	Engineering Maths I	4
EMT 1104	Information Communication Technology I	
ELE 1101	Circuit Theory	3
ELE 1102	Introduction to Computers	4
ELE 1103	Physical Electronics	4
TEC 1101	Communication Skills for Technology	4
Semester II		
EMT 1201	Engineering Maths II	4
EMT 1205	Computer Programming I	4
MEC 1204	Mechanics of Materials I	3
ELE 1201	Introduction to Digital Electronics	4
ELE 1202	Electricity & Magnetism	4
ELE 1203	Computer Programming for Electrical Engineers I	4
ELE 1204	Statics and Dynamics for Electrical Engineers	3
Recess Term		
IND 1301	Workshop Practice	2
TEC 1301	Workshop Practice	2
	Total Year I Credit Units	50
Year II: Semester I		
ELE 2101	Electrical Machines I	4
ELE 2102	Electrical Circuits	4
ELE 2103	Electromagnetism	4

ELE 2104	Electrical Materials I	4
EMT 2101	Engineering Mathematics III	4
TEC 2101	Sociology for Technology	3
Semester II		
EMT 2201	Engineering Mathematics IV	4
ELE 2201	Power Systems Theory	4
ELE 2202	Electrical Materials II	4
ELE 2203	Network Theory I	4
ELE 2204	Economics for Electrical Engineers	3
Recess Term		
IND 2301	Industrial Training I	2
ELE 2301	Industrial Training for Electrical Engineers	2
	Total Year II Credit Units	49
Year III: Semester I		
ELE 3101	Electromagnetic Fields	4
ELE 3102	Applied Analogue Electronics	4
ELE 3103	Applied Digital Electronics	4
ELE 3104	Energy Conversation	4
ELE 3105	Energy Utilization	4
ELE 3106	Electrical Installation Practice	4
ELE 3107	Computer Programming for Electrical Engineers II	3
ELE 3108	Principles of Accounts for Electrical Engineers	3
ELE 3109	Engineering Mathematics V	4
EMT 3101	Survey Mathematics III	4
EMT 3105	Engineering Mathematics V	4
EMT 3109	Computer Programming II	4
Semester II		
MEC 3201	Maintenance Engineering	4