

Curriculum BEEE - Bachelor of Electrical Engineering

w.e.f Fall 2016

Semester-1		
Course Code	Course Title	Cr. Hours
HS 111	Pakistan Studies	2+0
NS 111	Applied Physics	3+1
CSE111	Computer Fundamentals & Programming	3+1
NS 112	Calculus and Analytical Geometry	3+0
EL 111	Linear Circuit Analysis	3+1
ME 111	Workshop Practices	0+1
	Total Cr. Hr.	18
Semester-2		
Course Code	Course Title	Cr. Hours
HS 122	Islamic Studies/Ethics	2+0
HS 123	Functional English	3+0
NS 123	Differential Equations	3+0
EE 121	Basic Electronics	3+1
CE 122	Object-Oriented Programming	3+1
CE 123	Engineering Drawing	0+1
	Total Cr. Hr.	17
Semester-3		
Course Code	Course Title	Cr. Hours
ES203	Digital Logic Design	3+1
ES212	Electronic Devices and Circuits	3+1
ES209	Electrical Network Analysis	3+1
MT203	Complex Variables and Transforms	3+0
HU104	Communication Skills	3+0
	Total Cr. Hr.	18

Semester-4		
Course Code	Course Title	Cr. Hours
NS 225	Linear Algebra	3+0
TE221	Electromagnetic Theory	3+0
EE222	Microprocessor and Micro-controller Systems	3+1
TL307	Signal & Systems	3+1
EE 224	Data Communication & Network	3+1
		Total Cr. Hr.
		18
Semester-5		
Course Code	Course Title	Cr. Hours
IDE E3XX	Interdisciplinary Engineering Elective-I	2+0
TE 312	Communication Systems	3+1
EE/EL/TE 3XX	Breadth Core-I	3+1
EL 314	Control Systems	3+1
EL 315	Electrical Machines	3+1
		Total Cr. Hr.
		17
Semester-6		
Course Code	Course Title	Cr. Hours
EL 326	Probability Methods in Engineering	3+0
EE/EL/TE 3XX	Depth-Elective-I	3+1
EE/EL/TE/3XX	Breadth Core-II	3+1
HS 3XX	Social Sciences-I	2+0
HS 324	Technical Writing	3+0
ID 3XX	Interdisciplinary Engineering Elective-II	1+1
		Total Cr. Hr.
		18
Semester-7		
Course Code	Course Title	Cr. Hours
HS 4XX	Social Sciences-II	2+0
MS 411	Management Sciences-I	3+0
EE/EL/TE 4XX	Depth-Elective-II	3+1
EE/EL/TE 4XX	Depth-Elective-III	3+1
EL 449	Project-I	0+3
		Total Cr. Hr.
		16
Semester-8		
Course Code	Course Title	Cr. Hours
MS 4XX	Management Sciences-II	3+0
EE/EL/TE 4XX	Depth-Elective-IV	3+1
EE/EL/TE 4XX	Depth-Elective-V	2+1/3+0
EE/EL/TE 4XX	Depth-Elective-VI	3+0
EL 449	Project-II	0+3
		Total Cr. Hr.
		16

Total number of semesters

Total number of courses = 41 + Project + Internship
 Total credit hours = 139