

COMSATS Institute of Information Technology
Registrar Office, Principal Seat, Islamabad

No: CIIT-Reg/Notif-137 /11/201

February 08, 2012

Notification

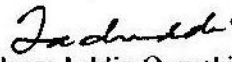
It is hereby notified that the Board of Faculty of Engineering in its 12th meeting held on November 15, 2011, approved the following Scheme of Studies of the Bachelor of Science in Computer Engineering, BS(CE) effective from Fall 2011 and onwards admissions for CIIT Lahore Campus only:

i. Minimum Duration:	04 Years
ii. Minimum No. of Semesters:	08
iii. No. of Credit Hours in each Semester:	13-19
iv. Core Courses:	
a. Engineering Courses	26
b. Non-Engineering Courses	12
v. Elective Courses:	
c. Major Electives	1
d. Interdisciplinary Elective*	1
vi. Total No. of Courses:	40
vii. Total No. of Credit Hours:	136-137

The abovementioned Scheme of Studies will replace the Scheme of Studies of Bachelor of Science in Electrical (Computer) Engineering, DDP, notified vide notification no. CIIT-Reg/Notif-393/11/1145 dated August 03, 2011 under item c, subitem (ix).

The Undergraduate rules and Regulations approved /amended from time to time by the Competent Authority shall be applicable.

This issue with the approval of the Competent Authority.


Nadeem Uddin Qureshi
Additional Registrar

Distribution:

1. Dean, Faculty of Engineering CIIT.
2. Director Lahore Campus, CIIT.
3. Incharge, Academics, CIIT Lahore Campus.
4. HoD, Department of Electrical Engineering, CIIT Lahore Campus
5. Controller of Examinations, CIIT.
6. Additional Registrar (Academics) CIIT, Islamabad Campus.
7. Incharge, Examination Department, CIIT Lahore Campus.
8. GM(IT), CIIT Islamabad Campus for uploading on Web under "course catalog web" Portal.
9. AR(Exams) for coordination with GM(IT).

CC:

1. Registrar CIIT.
2. PS to Rector.

List of Core Courses:**Engineering Courses;**

Serial No.	Course Code	Course Title	Credit Hours	Prerequisite(s)
1.	CSC112 ✓	Algorithms and Data Structures	4(3,1)	CSC141
2.	CSC141 ✓	Introduction to Computer Programming	4(3,1)	
3.	CSC241	Object Oriented Programming	4(3,1)	CSC141
4.	CSC271	Database Systems	4(3,1)	CSC112
5.	CSC322	Operating Systems Concepts	3(3,0)	CSC112
6.	CSC421	Systems Programming	4(3,1)	CSC322
7.	CSC492	Software Engineering	3(3,0)	CSC112
8.	EEE121 ✓	Electric Circuits Analysis - I	4(3,1)	
9.	EEE214	Computer Applications in Engineering	4(3,1)	CSC141
10.	EEE222	Electric Circuits Analysis - II	3(3,0)	EEE121
11.	EEE223	Signals and Systems	4(3,1)	MTH104
12.	EEE231	Electronics - I	4(3,1)	EEE121, PHY121
13.	EEE232	Electronics - II	4(3,1)	EEE231
14.	EEE241 ✓	Digital Logic Design	4(3,1)	
15.	EEE251	Probability Methods in Engineering	3(3,0)	MTH104
16.	EEE314	Data Communication and Computer Networks	4(3,1)	
17.	EEE324	Digital Signal Processing	4(3,1)	EEE223
18.	EEE325	Control Systems	4(3,1)	EEE222, EEE223
19.	EEE342	Microprocessor Systems and Interfacing	4(3,1)	EEE343
20.	EEE343	Computer Organization	3(3,0)	EEE241
21.	EEE344	Digital System Design	4(3,1)	EEE241
22.	EEE351	Principles of Communication Systems	4(3,1)	EEE223
23.	EEE440	Computer Architecture	4(3,1)	EEE343
24.	EEE464	Wireless Communication Systems	3(3,0)	EEE351
25.	EEE490	Final Year Project (Part-I)	1(0,1)	
26.	EEE490	Final Year Project (Part-II)	5(0,5)	

Non-Engineering Courses;

Serial No.	Course Code	Course Title	Credit Hours	Prerequisite(s)
1.	ECO300	Engineering Economics	3(3,0)	
2.	HUM100 ✓	English Comprehension and Composition	3(3,0)	
3.	HUM102	Report Writing Skills	3(3,0)	HUM100
4.	HUM110 ✓	Islamic Studies	3(3,0)	
5.	HUM111 ✓	Pakistan Studies	3(3,0)	
6.	MGT462	Project Planning and Management	3(3,0)	

7.	MTH104	✓	Calculus and Analytical Geometry	3(3,0)	
8.	MTH105	✓	Multivariable Calculus	3(3,0)	MTH104
9.	MTH231		Linear Algebra	3(3,0)	
10.	MTH241		Ordinary Differential Equations	3(3,0)	MTH104
11.	MTH375		Numerical Computations	3(2,1)	MTH104, CSC141
12.	PHY121	✓	Applied Physics for Engineers	4(3,1)	

List of Elective Courses;**Major Electives:**

	Course Code	Course Title	Credits Hours	Prerequisite(s)*
1.	CSC334	Distributed Computing	4(3,1)	EEE440, CSC322
2.	CSC336	Web Engineering	4(3,1)	CSC141
3.	CSC341	Network Programming	4(3,1)	EEE314, CSC141
4.	CSC443	Scripting Languages	3(3,0)	CSC336
5.	CSC451	Multimedia & Hypermedia System	3(3,0)	CSC253
6.	CSC452	Virtual Reality	3(3,0)	CSC253
7.	CSC454	Computer Animations	3(3,0)	CSC253
8.	CSC455	Computer Vision	3(3,0)	CSC253
9.	EEE253	Computer Graphics	4(3,1)	CSC141
10.	EEE353	Digital Communication Systems	4(3,1)	EEE351
11.	EEE354	Telecommunication Systems Engineering	3(3,0)	EEE351
12.	EEE415	Digital Image Processing	4(3,1)	MTH231, EEE223
13.	EEE434	VLSI Design	4(3,1)	EEE241, EEE232
14.	EEE446	Real Time Embedded Systems	4(3,1)	EEE342
15.	EEE455	Optical Fiber Communications	3(3,0)	EEE351
16.	EEE456	Broadband Technologies	3(3,0)	EEE314
17.	EEE461	Artificial Intelligence	3(3,0)	CSC112
18.	EEE462	Neural Networks	3(3,0)	EEE461
19.	EEE471	Fault Tolerant Computing	3(3,0)	EEE440, CSC112

" 03 credit hours of theory is equivalent to 03 hours of lectures whereas 01 credit hour of lab is equivalent to 03 hours of lab session. All the lab sessions are graded. Students have to pass both theory and lab to earn the course credits.

* Courses with prerequisites can only be allowed if all prerequisite courses have been passed.

* With the advice and consent of the Department, the student may select interdisciplinary elective course from the list of elective courses and the student may select any approved course of EE, which he/she has not taken before.

Indulshi