

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

No CIIT-Reg/Notif- 138 /11/202.

February 08, 2012

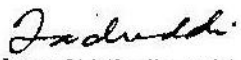
Notification

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 Telecommunication Engineering, BS(TE) effective from Spring 2012 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: | 14-19 |
| iv. | Core Courses: | |
| | a. Engineering Courses | 25 |
| | b. Non Engineering Courses | 13 |
| v. | Elective courses | |
| | c. Major Electives | 02 |
| | d. Non-Engineering Electives | 01 |
| | e. EE Open/Free Elective | 01 |
| vi. | Total No. of Courses: | 42 |
| vii. | Total No. of Credit Hours: | 138-142 |

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:**List of Engineering Courses:**

Serial No	Course Code	Course Title	Credit Hours	Pre-requisite(s)
1.	CSC141	Introduction to Computer Programming	4(3,1)	
2.	CSC241	Object Oriented Programming	4(3,1)	CSC141
3.	CSC341	Network Programming	4(3,1)	EEE314, CSC141
4.	EEE113✓	Engineering Drawing	1(0,1)	
5.	EEE114✓	Introduction to Telecommunications	3(3,0)	
6.	EEE121	Electric Circuits Analysis - I	4(3,1)	PHY121
7.	EEE222	Electric Circuits Analysis - II	4(3,1)	MTH241, EEE121
8.	EEE223	Signals and Systems	4(3,1)	MTH241
9.	EEE231	Electronics - I	4(3,1)	EEE121
10.	EEE232	Electronics - II	4(3,1)	EEE231
11.	EEE241	Digital Logic Design	4(3,1)	
12.	EEE251	Probability Methods in Engineering	3(3,0)	MTH104
13.	EEE261	Electromagnetic Theory	3(3,0)	MTH105
14.	EEE314	Data Communication and Computer Networks	4(3,1)	EEE114, EEE232
15.	EEE324	Digital Signal Processing	4(3,1)	EEE223
16.	EEE325	Control Systems	4(3,1)	EEE223
17.	EEE342	Microprocessor Systems and Interfacing	4(3,1)	EEE241
18.	EEE352	Analog Communication Systems	4(3,1)	EEE223, MTH263
19.	EEE353	Digital Communication Systems	4(3,1)	EEE352
20.	EEE354	Telecommunication Systems Engineering	3(3,0)	EEE352
21.	EEE454	Transmission & Switching Systems	3(3,0)	EEE353
22.	EEE463	Antenna and Radio Wave Propagation	4(3,1)	EEE261
23.	EEE464	Wireless Communication Systems	3(3,0)	EEE353
24.	EEE490	Final Year Project (Part-I)**	1(0,1)	
25.	EEE490	Final Year Project (Part-II)**	5(0,5)	

List of Non-Engineering Courses:

Serial No	Course Code	Course Title	Credit Hours	Pre-requisite(s)
1.	CSC241	Object Oriented Programming	4(3,1)	CSC141
2.	ECO300	Engineering Economics	3(3,0)	
3.	HUM100✓	English Comprehension and Composition	3(3,0)	
4.	HUM102	Report Writing Skills	3(3,0)	HUM100
5.	HUM110	Islamic Studies	3(3,0)	
6.	HUM111	Pakistan Studies	3(3,0)	
7.	MGT462	Project Planning and Management	3(3,0)	

8.	MTH104	Calculus and Analytical Geometry	3(3,0)	
9.	MTH105	Multivariable Calculus	3(3,0)	MTH104
10.	MTH231	Linear Algebra	3(3,0)	
11.	MTH241	Ordinary Differential Equations	3(3,0)	MTH104
12.	MTH375	Numerical Computations	3(2,1)	MTH104, CSC111
13.	PHY121	Applied Physics for Engineers	4(3,1)	

List of Major Electives

Course Code	Course Title	Credit Hours	Prerequisite(s) [†]
EEE362	Microwave Engineering	4(3,1)	EEE261, EEE232
EEE455	Optical Fiber Communications	3(3,0)	EEE353
EEE456	Broadband Technologies	3(3,0)	EEE314
EEE465	Microwave & Satellite Communication Systems	3(3,0)	EEE352
EEE466	Radars and Navigation Aids	3(3,0)	EEE463
EEE467	Telecommunication Policies Standards & Regulations	3(3,0)	

Non Engineering Electives*****EE Open/Free Electives*****

" 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 consent of Academic Advisor and Department the student has to select one course from the list of elective courses

** Students must clear all the engineering subjects in the first five semesters to be eligible for the Final year project

*** With the consent of Academic Advisor and Department the student can take any approved course of EE which he/she has not taken before according to his/her aptitude and/or future plans

Indulade