

Indian Institute of Information Technology, Allahabad
Modified Curriculum and Syllabus
New B. Tech. (IT) Course structure, April 2012

Types of Courses
Basic Courses
Core Courses
Humanities & Social Sciences Courses
Others Courses

Semester	Name of Course	Theory Credits	Practical/ Lab Credits
1	Physics	3	2
1	Mathematics – I	3	
1	Basic Electronics	3	
1	Introduction to Computers		2
1	Introduction to Programming	3	2
1	Electronics Workshop		2
1	Environmental Engineering	3	

2	Mathematics II	3	2
2	Discrete Mathematics	3	
2	Digital Electronics	3	2
2	Data Structures	3	2
2	Computer Organization and Architecture	3	
2	Communication skills and Technical Writing	2	

3	Mathematics III	3	
3	Microprocessor	3	2
3	Operating System	3	2
3	Theory of Computation	3	
3	Object Oriented Methodologies	3	2
3	Principles of management	2	

4	Probability & Statistics	3	2
4	Digital Communication	3	2

Semester	Name of Course	Theory Credits	Practical/ Lab Credits
4	Algorithms	3	2
4	Principles of Programming Languages	3	
4	DBMS	3	2

5	Computer Networks	3	2
5	Software Engineering	3	2
5	Artificial Intelligence	3	2
5	Computer Graphics	3	2
5	Principles of Economics	3	

6	Optimization Technologies	3	2
6	Control System	3	2
6	Compiler Designing	3	2
6	Web Technologies	3	2
6	Mini project		5

7	Elective 1	3	
7	Elective 2	3	
7	Elective 3	3	
7	Philosophy of Science	3	
7	Mini Project (to be continued and should be coupled with final semester project)		8

8	Elective 4	3	
8	Elective 5	3	
8	Elective 6	3	
8	Organizational Behavior	3	
8	B. Tech. Project		10