

## SYBSC COMPUTER SCIENCE

### MAJOR COURSES

Sem.	Theory / Practical	Course Title	No of Credits	No of Hours	Total Credits
III	Theory	Object Oriented Programming Using Java	2	30	8
	Theory	Data Structures	2	30	
	Theory	Software Engineering	2	30	
	Practical	Computer Science Practical 3	2	60	
IV	Theory	Advanced Application Development	2	30	8
	Theory	Computer Networks	2	30	
	Theory	Theory of Computation	2	30	
	Practical	Computer Science Practical 4	2	60	

### MINOR COURSES

Sem.	Theory / Practical	Course Title	No of Credits	No of Hours	Total Credits
III	Theory	Discrete Mathematics	2	30	4
	Tutorial	Discrete Mathematics Tutorial	2	30	
IV	Theory	Calculus	2	30	4
	Tutorial	Calculus Tutorial	2	30	

### OPEN ELECTIVE COURSES (offered by Computer Science Department)

Sem.	Theory/ Practical	Course Title	No of Credits	No of Hours	Total Credits
III & IV	Theory	Introduction to Cyber Security	2	30	2

### Vocational Skill Courses (VSC)

Sem.	Theory/ Practical	Course Title	No of Credits	No of Hours	Total Credits
III	Practical	Advanced Database Concepts	2	30	2

### Skill Enhancement Courses (SEC)

Sem.	Theory/Practical	Course Title	No of Credits	No of Hours	Total Credits
IV	Practical	Web Testing Using Selenium	2	30	2

#### Ability Enhancement Courses (AEC)

Sem.	Theory / Practical	Course Title	No of Credits	No of Hours	Total Credits
III	Theory	AEC : Modern Indian Language *	2	30	2
IV	Theory	AEC : Modern Indian Language *	2	30	2

\*As offered by the College

#### Co-Curricular Courses (CC)

Sem.	Theory / Practical	Course Title	No of Credits	No of Hours	Total Credits
III	Activity Based	CC : NSS / Health & Wellness / Sports / Music / Cultural Activities / Sunday School / Department Activities etc	2	60	4
IV	Activity Based	CC : NSS / Health & Wellness/ Sports / Music / Cultural Activities / Sunday School / Department Activities etc	2	60	

#### Field Project(FP) + Community Engagement Program(CEP)

Sem.	Theory / Practical	Course Title	No of Credits	No of Hours	Total Credits
III	Practical	Field Project(FP)*	2		2
IV	Practical	Community Engagement Program(CEP)*	2		2

\*As decided by the College