

Choice Based Credit System (CBCS)

(SEMESTER SYSTEM)

From this session i.e., 2017-2018 onwards B.Sc. (Hons.) courses are incorporated under CBCS system. Following Five (5) Major Subjects under this module are available in our college:

- 1. Mathematics**
- 2. Physics**
- 3. Chemistry**
- 4. Geography**
- 5. Economics**

Candidates are instructed to select CBCS for both elective (combination) subjects from the drop-down menu while applying for B.Sc (Hons.) for the above mentioned subjects.

Draft outline of the semester wise course structure of B.Sc (Hons) under the Choice Based Credit System (CBCS)

Under the **CBCS** there is broadly Two course structure: i) **Honours** Course, ii) **General /Regular** Course.

Components of the courses are as following:

1. **Core Course:** A course that should compulsory be studied by a candidate as a core requirement is termed as a Core course.
2. **Elective Course :** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline / subject of study or which provides an extended scope or which enables an exposure to some other discipline/ subjects/domain or nurtures the candidates' proficiency/skill is called an Elective Course.

2.1: Discipline Specific Elective (DSE) Course: An Elective course which may be offered by the main discipline/ subjects of study is referred to as Discipline Specific Elective courses of interdisciplinary nature (to be offered by main discipline/ subject of study).

2.2: Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline / subjects, with an intention to seek exposure is called a **Generic Elective**.

N.B. : A Core Course offered in a discipline / subject may be treated as an elective by other discipline / subjects and vice versa and such electives may also be referred to as **Generic Elective**.

2.3 : Dissertation/Project : This is an elective course, designed to acquire special / advanced knowledge, is termed as dissertation/project. This is considering as a special course involving application of knowledge in solving / analyzing/exploring a real life situation/ difficult problem. A dissertation / project work will be of 6 credits. A dissertation / projects work may be given in lieu of a Discipline Specific Elective.

3. Ability Enhancement courses (AEC) : The Ability Enhancement (AE) Courses may be of two kinds : - Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC).

3.1: Ability Enhancement Compulsory Courses (AECC): These are the courses based upon the contents that leads to knowledge enhancement and consist of Environmental Sc. & English/ MIL Communication. These are mandatory for all discipline.

3.2: Skill Enhancement Courses (SEC): SEC courses are value based and /or skill – based knowledge. It will be minimum **2** for honours courses and **4** for General Courses. These may be chosen from a pool of courses designed to provide value – based and / or skill based knowledge would contain both theory and Lab / hands- on- training/ field work. The main purpose of these courses is to provide the students life–skill in hands – on - mode so as to increase their employability.

Practical/Tutorial: One each with every Core, Discipline Specific and Generic Elective papers.

An Under- graduate degree with Honours in a discipline may be awarded if a student completes **14 core papers** in that discipline, **2** Ability Enhancement Compulsory Courses (**AECC**), minimum **2** Skill Enhancement Courses (**SEC**) and **4 papers** each from a list of Discipline Specific Elective (**DSE**) and Generic Elective (**GE**) papers respectively.

Mechanism for the purpose of Work- Load per week

1. **1 Credit = 1** Theoretical class of **1 hour** duration.
2. **1 Credit = 1** Tutorial class of **1 hour** duration.
3. **1 Credit = 1** Practical class of **2 hour** duration.

Course Structure B.Sc (Honours)

Course Components	B.Sc.(Honours)
Core Course(CC)	14
Discipline Specific Elective (DSE) Course	4
Generic Elective (GE) Course	4
Ability Enhancement Compulsory Course (AECC)	2
Skill Enhancement Course (SEC)	2

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc. (Honours)

	Core Course(14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (2)	Elective Generic (GE) (4)
I	C1	(English/MIL Communication)/Environmental Science			GE-1
	C2				
II	C3	Environmental Science/(English/MIL Communication)			GE-2
	C4				
III	C 5		SEC-1		GE-3
	C 6				
	C 7				
IV	C 8		SEC-2		GE-4
	C 9				
	C 10				
V	C 11			DSE-1	
	C 12			DSE-2	
VI	C 13			DSE-3	
	C 14			DSE-4	

Details of Courses of B.Sc. (Honours) under CBCS

<u>Course</u>	<u>Credit</u>	
	<u>Theory + Practical</u>	<u>Theory +Tutorial</u>
1. <u>Core Course</u> (14 Papers)	$14 \times 4 = 56$	$14 \times 5 = 70$
Core Course (Practical/Tutorial)* (14 Papers)	$14 \times 2 = 28$	$14 \times 1 = 14$
2. <u>Elective Courses</u> (8 Papers)		
A. DSE (4 Papers)	$4 \times 4 = 16$	$4 \times 5 = 20$
DSE (Practical/ Tutorial)* (4 Papers)	$4 \times 2 = 8$	$4 \times 1 = 4$
B. GE (Interdisciplinary) (4 Papers)	$4 \times 4 = 16$	$4 \times 5 = 20$
GE (Practical/ Tutorial)* (4 Papers)	$4 \times 2 = 8$	$4 \times 1 = 4$
# Optional Dissertation / Project Work in Place of <u>one</u> DSE Paper (6 Credits) in 6th semester.		
3. <u>Ability Enhancement Courses</u>		
A. AECC (2 Papers of 2 credits each)	$2 \times 2 = 4$	$2 \times 2 = 4$
ENVS, English communication/MIL		
B. SEC (2 Papers of 2 Credits each)	$2 \times 2 = 4$	$2 \times 2 = 4$
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Total Credit:	140	140

SEMESTER WISE DISTRIBUTION OF COURSES AND CREDITS

B.Sc. (Honours)

Courses (Credits)	Sem- I	Sem- II	Sem - III	Sem- IV	Sem- V	Sem - VI	Total No. of Courses	Total Credit
CC(6)	2	2	3	3	2	2	14	84
DSE(6)					2	2	04	24
GE(6)	1	1	1	1			04	24
AECC(2)	1	1					02	04
SEC(2)			1	1			02	04
Total no. of courses per sem.	4	4	5	5	4	4	26	<hr/>
Total credit per semester	20	20	26	26	24	24	<hr/>	140

Evaluation System

The evaluation system of the candidates may be conducted by the process based on continuous assessment within the each semester. Therefore, each semester assessment may be divided into three (3) discrete components – i.e. **E₁**, **E₂** & **E₃**. The modalities of the continuous assessment will be informed as per norm.

- 1) The first evaluation (**E₁**) of assessment shall be **10%** of the total marks of each course of a semester and will be based on class attendance, class test or assignment or seminar. During the first two months of each semester, 1/3rd of the syllabus will be completed. The **E₁** will be held during the 8th week of the concerned semester.

- 2) The 2nd evaluation (**E₂**) of the assessment shall be 10% of the total marks of each course of a semester and will be based on class attendance as per **E₁**. During second two months after evaluation of **E₁** (assessment), 2/3rd of the syllabus will be completed and **E₂** will be held during the 16th week of the concerned semester. Appearance in **E₁** & **E₂** is mandatory.

- 3) During the 21st - 23rd weeks of the semester, a semester with end examination shall be conducted for each course and the proportion of **E₃** will be **80%** of the total marks of the semester.

- 4) Finally, the result of each course in a semester shall be based on the values of **E₁**, **E₂** & **E₃** and shall be awarded in the form of grade point.