

Generic Elective (GE)

An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure to other discipline/subject is called a Generic Elective. A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective. The Generic Elective has equal credit as that of core paper. The student has to study one GE each in first four semesters of the course. These GEs are called as GE-1, GE-2, GE-3 and GE-4 referring to the corresponding semester only.

Advantages of GE course

- Exposure to a new discipline/subject.
- Prepare them to look for inter-disciplinary research.
- Provides the students with an alternative option for masters/Post Graduate(PG) degree. Two GEs in any other discipline/ subject are required to pursue PG in the corresponding discipline.
- Many courses have limitations to have studied minimum 2 semester papers in a specific discipline other than the core subjects. This GE can fulfil that limitation to pursue master's study in desired field.

GE course selection/ allotment

The college offers GE based on **Merit cum Preference** basis. Here *Merit* refers to previous exam result available. Also *Preference* refers to the order of subject filled.

Based on your interest, you have to choose 4-5 papers in order of your preference. These papers will be selected amongst different papers floated by all the departments other than your parent department (where you are enrolled in the college for studies) e.g. If you are enrolled for B.Sc.(H) Electronics, Department of Electronics will be your parent department. GE can be selected by any course offered by Departments other than Electronics like Mathematics, Chemistry, Computer Science, Polymer Science etc.

The students will be ranked based on their normalised marks in the class. One such higher rank student will be allotted GE first. Highest preference/rank for one student will be exhausted first, as per number of seats offered by each department. If the need arises then only one's lower preference will be explored sequentially. The student will be allotted one such paper, in each semester with the highest preference possible.

Keeping the constraints of subjects to pursue PG in specific fields the college has fixed GE option for maximum 2 semesters w.e.f. 2021-22 for few courses. For such courses,

remaining 2 semester papers may be explored as per your interest (merit cum preference only), if not fixed for other stream students and seats are available. The Table I given below explains the same.

- The students admitted through Sports Quota will be given Physical Education unless he/ she opt out from the same.
- Filled cells of Table I shows fixed GE as mentioned above. The student will be given the fixed GE for the defined semester unless he/ she opt out from the same. The student will not be allowed to take the subject in the semester they are not entitled for as per the details in the Table I.

Table I: GE option matrix

Course. B.Sc.(H)	GE-1	GE-2	GE-3	GE-4	Option
Biomedical Sciences					PCB
Food Technology					Options from BC/ BMS/ MB/ Bot/ Zoo/ FT/ HC/ Chem/ Phy Ed only*
Microbiology					
Botany	Chemistry		Zoology		
Zoology		Chemistry	Botany		
Electronics					PCM
Instrumentation					Options from Elec/ Inst/ CS/ Phy/ PS/ Chem/ Phy Ed/ HC / Maths only*
Computer Science	Other than Maths	Maths	Other than Maths	Maths	
Physics	Other than Maths	Maths	Other than Maths	Maths	
Polymer Science	Maths	Other than Maths	Maths	Other than Maths	
Chemistry	Maths	Other than Maths	Maths	Other than Maths	

*PCM/ PCB options may be taken if opted by a student and seats are available.

- All blank cells will allow them to get GE based on Merit cum Preference basis.

ONLINE Allotment of GE

Following norms will be adopted for the online GE allotment.

- I. Preferences will be taken from each student for GE-1/ GE-2/ GE-3/ GE-4 through Google^R form at the beginning of each semester, if not fixed as per Table I above.

- II. Allotment is purely based on Merit cum Preference basis as per the number of seats offered by a Department concerned. Remember this allotment will only be semester based and not fixed in all semester.
- III. Last available normalized result will be used for deciding the merit of the student with a penalty of 5% in case of Essential Repeat/ Compartment (ER), if any.
- IV. The result of XII class (Four subjects viz Course Eligibility Criteria + One Best Language) will be considered for GE-1 and GE-2.
- V. Online preferences will be considered for GE-1 only upto Fifth cutoff.
- VI. To avoid any further fluctuations in the already allotted GE-1, the GE option will be allotted manually for the students admitting later based on the vacant seats only.
- VII. Total result of I Semester exams will be used for GE-3 respectively.
- VIII. Total result of I year exams will be used for GE-4 respectively.
- IX. In case of result on the CGPA basis, available result will be multiplied by a factor of 9.5 to fill the result in percentage or total marks.
- X. For students whose result is not available or declared by the University, for whatever reasons, at the time of filling GE form, the result of last annual examination passed will be considered.
- XI. The allotted GE will be visible on the college website and in no case it will be changed after allotment.

This year the GE-1 options/ papers floated by different department is mentioned below.

Department	Name of the Paper
1. Biochemistry	Biomolecules
2. Biomedical Sciences	Biostatistics
3. Botany	Biodiversity
4. Chemistry	Atomic structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
5. Computer Science	Programming using Python
6. Electronics	Digital System Design
7. Food Technology	Food Processing and Preservation
8. Human Communication	General Psychology
9. Instrumentation	Sensors and its applications
10. Mathematics	Calculus
11. Microbiology	Introduction and Scope of Microbiology
12. Physics	Electricity and Magnetism
13. Physical Education	Yoga and Stress Management
14. Polymer Science	Chemistry of Polymers
15. Zoology	Insect Vectors and Diseases

This yr with the inc of 15% EWS student strength with the same faculty strength will be a challenge for all Deptt in terms of infrastructure etc. But for the sake of curriculum and mainly for the sake of students, we all have to manage single lab batch upto 30-35 students or Tut batch of 20-25 without option and one batch min for all Deptt.

	Department			GE I/II	Course (Seats)
I.	Biomedical Sciences			Biomedical Sciences	30
II.	Computer Science			Computer Science	60
III.	Electronics			Electronics	30
IV.	Food Technology			Food Technology	30
V.	Instrumentation			Instrumentation	30
VI.	Microbiology			Microbiology	30
VII.	Physics			Physics	30
VIII.	Polymer Science			Polymer Science	30
IX.	Botany			Botany	Odd Sem XI (40) Even Sem (40)
X.	Chemistry			Chemistry	Odd Sem IX(40) Even Sem XI(40)
XI.	Zoology			Zoology	Odd Sem (40) Even Sem IX(40)
				Biochemistry	30
				Human Communication	65
				Mathematics (Repeat for GE3/GE4 resp also)	(Odd Sem-100) II(60)+VII(40) (Even Sem-100) VIII(60)+X(40) Few from other stream ~130 each sem
				Physical Education	Sports Admissions(15)+50