

U. P. Rajarshi Tandon Open University, Prayagraj
**Ordinance Governing The Bachelor of Science Degree Program
In The School of Science**

Programme Objective

The aim of the six (three year) semester Bachelor of Science (B.Sc.) program is to provide opportunities for higher education in science to in service, people living in rural/remote areas and belonging to disadvantaged sections of the society, and to promote scientific temper in everyday life. The program offers a platform to the learners to fulfill the eligible criteria in various scientific jobs in government and private sector.

Programme Duration (in yrs.): **Minimum** 3 years **Maximum:** 6 years
Programme Duration (in semester): **Minimum** 06 semester **Maximum:** 12 semester
Language of SLM: English **Language of Examination:** Hindi/English
Programme Fee /year: As decided by the competent authority time to time.
Minimum Qualification for Admission: 10+2 (Science Group)
Assignment Work: Essential

Introduction to Bachelor of Science Programme

It is an undergraduate program leading to Bachelor of Science (B.Sc.) degree. It is mandatory for every learner to offer any combination of subjects listed below to complete his/her program for the degree. Total credits allotted against each paper of all three subjects will be 96 distributed in 06 semesters (three years) separately. A learner has to study and pass the 16 credits each from the three selected **Core Course** (subjects) in the first and second years. The learner has to choose and study one paper out of AECEG or ACEHD in first semester and AECEA in second semester of 4 credits each under **Ability Enhancement Compulsory Courses**. Under **Skill Enhancement Courses**, it is compulsory to study 16 credit papers in third, fourth, fifth and sixth semester. The learner has to choose any two groups among A, B, C, D, E, F, G and H from **Discipline Specific Elective Course** in each selected subject in fifth and sixth semester.

In this way, the learner must complete his 32 credit in the first year, 32 credit in the second year and 32 credits in the third year totaling of 96 credits.

Combinations of undergraduate science programs:

The learner has to offer any one of the following combinations:

- C1: Physics, Chemistry, Mathematics.
- C2: Physics, Mathematics, Computer Science.
- C3: Botany, Zoology, Chemistry.
- C4: Physics, Mathematics, Statistics.
- C5: Botany, Zoology, Biochemistry.
- C6: Physics, Chemistry, Statistics.
- C7: Physics, Statistics, Computer Science.
- C8: Mathematics, Statistics, Computer Science.

1. Admission

- 1.1. Admission to B. Sc. first year will be made as per the rules prescribed by the Academic Council of the University.
- 1.2. The eligibility condition for admission in B.Sc. Programs is that the candidate should pass the 10+2 level with science group.

2. Curriculum & Scheme of Program

2.1. The six semester curriculum shall include, Self Learning, Counseling classes, practical's etc, as decided in scheme and necessary instruction issued from time to time.

2.2. The subjects, distribution of credits and maximum marks for various semesters and examination shall be as per the syllabi subject to changes by recommendations of respective Board of studies/School Board.

3. Format and Course Selection criterion for B.Sc. Programme

The format of B.Sc. program is given below:

Year	First Selected Subject	Second Selected Subject	Third Selected Subject	Ability Enhancement Compulsory Course	Skill Based Course	Discipline Specific Course	Total credit
	Core papers with credit	Core papers with credit	Core papers with credit				
1 st Sem.	4	4	4	4	-	-	16
2 nd Sem.	4	4	4	4	-	-	16
3 rd Sem.	4	4	4	-	4	-	16
4 th Sem.	4	4	4	-	4	-	16
5 th Sem.	-	-	-	-	4	12	16
6 th Sem.	-	-	-	-	4	12	16
Total credit	16	16	16	8	16	24	96

The format of Skill Enhancement Courses is given below:

Skill Enhancement Courses from 3 rd to 6 th semester									
S. No.	Combination of three courses	Semester and Course Code							
		3 rd sem		4 th sem		5 th sem		6 th sem	
		Course code	credit	Course code	credit	Course code	credit	Course code	credit
1.	Physics, Chemistry, Mathematics	SBSCHE-01	4	SBSPHS-02	4	SBSMM-03	4	SBSSTAT-04	4
2.	Physics, Chemistry, Statistics	SBSCHE-01	4	SBSPHS-02	4	SBSMM-03	4	SBSSTAT-04	4
3.	Physics, Mathematics, Computer Science	SBSCS-01	4	SBSPHS-02	4	SBSMM-03	4	SBSSTAT-04	4
4.	Physics, Mathematics, Statistics	SBSCS-01	4	SBSPHS-02	4	SBSMM-03	4	SBSSTAT-04	4
5.	Physics, Statistics, Computer Science	SBSCS-01	4	SBSPHS-02	4	SBSMM-03	4	SBSSTAT-04	4
6.	Mathematics, Statistics, Computer Science	SBSCS-01	4	SBSPHS-02	4	SBSMM-03	4	SBSSTAT-04	4
7.	Botany, Zoology, Chemistry	SBSCHE-01	4	SBSBY-02	4	SBSZY-03	4	SBSBCH-04	4
8.	Botany, Zoology, Biochemistry	SBSBCH-01	4	SBSBY-02	4	SBSZY-03	4	SBSBCH-04	4

The Selection criterion for Discipline Specific Elective Course (DEC) for 5th and 6th Semester is given below:

Subjects/ semester	Physics (Group A)		Chemistry (Group B)		Mathematics (Group C)		Computer Science (Group D)		Statistics (Group E)		Biochemistry (Group F)		Botany (Group G)		Zoology (Group H)	
	Paper code	credit	Paper code	credit	Paper code	credit	Paper code	credit	Paper code	credit	Paper code	credit	Paper code	credit	Paper code	credit
5 th Semester	DECPHS-105	2	DECHE-105	2	DECM-109	2	DECCS-105	2	DECSTAT-105	2	DECBC-105	2	DECBY-105	2	DECZY-105	2
	DECPHS-106	2	DECHE-106	2	DECM-110	2	DECCS-106	2	DECSTAT-106	2	DECBC-106	2	DECBY-106	2	DECZY-106	2
	DECPHS-107P	2	DECHE-107P	2	DECM-111P	2	DECCS-107P	2	DECSTAT-107P	2	DECBC-107P	2	DECBY-107P	2	DECZY-107P	2
6 th Semester	DECPHS-108	2	DECHE-108	2	DECM-112	2	DECCS-108	2	DECSTAT-108	2	DECBC-108	2	DECBY-108	2	DECZY-108	2
	DECPHS-109	2	DECHE-109	2	DECM-113	2	DECCS-109	2	DECSTAT-109	2	DECBC-109	2	DECBY-109	2	DECZY-109	2
	DECPHS-110P	2	DECHE-110P	2	DECM-114P	2	DECCS-110P	2	DECSTAT-110P	2	DECBC-110P	2	DECBY-110P	2	DECZY-110P	2

4. Examination & Evaluation

- A. For each subject there shall be one written Terminal Examination. The evaluation of every paper shall be in two parts that is 30% internal through assignments and 70% external through terminal exams.

(a)	Theory Subjects	Max. Marks
	Terminal Examination	70
	Assignment	30
	Total	100
(b)	Practical subjects:	Max. Marks
	Terminal Practical Examination	100

Marks of Terminal Practical Examination shall be awarded as per following scheme:

i.	Write up /theory work	30
ii.	Viva-voce	30
iii.	Execution/Performance/Demonstration	20
iv.	Lab Record	20

5. Criteria for passing a program

The student shall be awarded First Division on securing 60% marks or more, Second division on Securing 48% marks or more, Third division on securing 36% marks or more and result is considered as Incomplete if securing less than 36% marks.

6. **Re-registration** : Only for one year just after 6 years (or 12 semester) of maximum duration is completed.

7. Interpretation

If any question arises as to the interpretation of this Regulation, the same shall be decided by the Academic Council. The Academic Council shall have the power to issue clarification to remove any doubt which may arise in regard to implementation of this Regulation.