Sr. No.	Name of Programme	Name of Course	Duration of Course	Sanctioned Intake	Eligibility Condition
1	M.Sc.	Chemistry	2 Years	60	B.Sc. (Hons.) in Chemistry/ B.Sc. (Pass) with Chemistry as one of the main subjects with at least 50% marks in aggregate or any other examination recognized by State Universities of Haryana as equivalent thereto. (47.50% in case of SC / ST / Blind / Visually/ Differently Abled etc. candidates)

Program-Specific Career Options:

1.	Program of Study and its duration	M.Sc. Chemistry Duation: 2 Years
2.	MOU's and Collaboration for this program	Nil
3.	Business Houses/Companies which visits Campus for Recruitment	Paint/Chemicals/Pharmaceutical companies
4.	Details of Business Houses/Companies offering in-industrial projects/ training	Offered by Some Local Industries Like Hindustan Gum etc.
5.	Projects/training offered by University	Minor Research Project Offered by University Every Year.
6.	Entrepreneurship Opportunities	• Pharmacy Assistant • Researcher • Clinical Research Associate • Toxicologist • Chemist • Laboratory Assistant • Pharmaceutical Sales • Executive
7.	Opportunities in Education Sector	• Assistant Professors • Online Mentor • School Teacher • Research Associate/Assistant
8.	Opportunities as Social Worker	• Social Scientist • Medical Social worker • Rural Development Officer
9.	Opportunities in other Nations	• Assistant Professor • Research Assistant • Quality Management Analyst
10.	Opportunities as an Academician	• Assistant Professor • Chemistry/Biochemistry Research Officer • Analytical Chemistry Application Specialist • Research Scientist • Research Manager
11.	Opportunities for Nation Development	• Synthetic Lab Scientist • Geo-Chemical Scientist • Content Creator

		• Operations Manager • Chemists • Quality Control Chemists • Quality Manager • Inspector of Quality Control • Innovator
12.	Opportunities as Consultant	• Consultancy Regarding Establishment of Research Lab • Consultancy Regarding Synthetic Research Protocols
13.	Opportunities for self-employment and How program leads to livelihood?	• Water Treatment Plant • Waste management Plant • Pharma Company • Compost/ Manure/fertilizer Industry • Setup Gobar Gas Plant • Paint Industry • Textile Industry • Tutoring • Pharmacy
14.	Role/Details of Specific Membership for the program (for eg. CII, AIMA, ISTE, IAA etc.)	The societies like Indian Chemical Society and Indian Science Congress are directly related to the discipline and through membership of these societies students get exposure to the cutting edge research through conferences, workshops etc.
15.	Aptness of the program with future challenges	The program runs with three main specializations, *viz.* organic, inorganic and physical chemistry. Organic chemistry opens avenues of drug designing, provides alternatives for hazardous materials or pollutants. Studies related to petrochemicals, agrochemicals, organometallics etc find utility in day to day life. Inorganic Chemistry involves studies of nanotechnology, supramolecular chemistry etc. which have various applications in advancement of medical techniques. Synthesis of newer materials based on ceramics etc are also part of inorganic Chemistry. Fabrication of high capacity energy storage devices, biological sensors etc. are among some of the major applications of physical chemistry. This program can lead the foundation in providing alternatives for energy crisis to be faced in near future. Also, the discipline includes study of various processes involving waste management and waste

		water treatment which are only ways to deal with the present and future issues related to pollution and water scarcity.
16.	Can program contribute in rural development? How?	Yes. The program provides awareness about natural resources present in rural areas. Testing of the nutrient ions present in soil and replenishment of those depleted in it helps in improvement of quality of soil that in turn leads to better yields of crops. Imparting knowledge on organic farming to the farmers can lead to conservation of soil. Water treatment, rain water harvesting and waste disposal related awareness and also involvement in real practices can lead to conservation of natural resources which are obvious needs of development. Establishment of small gobar gas synthesizing units in rural areas can lead to self-sustained development in rural areas. Newer advancement in synthesizing organic fertilizers and organic insect repellents can rejuvenate our rural areas and practices carried out there.
17.	Industrial Visits related to the program made by students	Summer-Training is initiated to provide a learning platform to the students where their skills and abilities can be properly groomed through hands-on experience with industry personnel and they become job ready.

5.10.2021

Registrar
CBLU, Bhiwani

10/9/21

HOD/Chairperson
Dept. Of Chemistry
CBLU, Bhiwani

Note: Duly signed by the Chairperson/HOD and countersigned by the Registrar of the University.