



# Career Opportunities After B.Sc. in Chemistry

## Introduction: -

Chemistry is an important aspect of the central science; it is a multidisciplinary subject with versatile range of applications. Chemistry is the scientific study of the properties and behaviour of matter.

## Eligibility

- Pursuing Basic Science after successful completion of class XII.
- B.Sc. in Chemistry is a three-year Course with chemistry as special subject in the last year.
- After successful completion of all the credits for theory and practical courses, a candidate is eligible to obtain a bachelor's degree from the affiliated university.

## Outcome of Programme

- Understanding of Basic Concepts
- Development of analytical mind
- Problem solving
- Hands-on Training
- Basic handling of instruments
- Critical thinking

## Career Opportunities as a Bachelor of Science in Chemistry

Graduation Level Chemistry Programme covers all basic domains of Chemistry such as Organic Chemistry, Physical Chemistry, Analytical Chemistry, Inorganic Chemistry. It also gives brief exposure to additional domains like industrial chemistry, environmental chemistry, dairy chemistry and soil chemistry etc. After completion of graduation a student is enriched with the knowledge of these fundamental chemistry domains. Considering this wide range of domains, lots of career opportunities are available for chemistry students. Some of them are discussed below

- **Post-Graduation:**

The most common choice of a candidate is to pursue master's degree to obtain subject specialization.

The different specializations available for M.Sc. programme are

1. M.Sc. in Organic Chemistry
2. M.Sc. in Inorganic Chemistry
3. M.Sc. in Physical Chemistry
4. M.Sc. in Analytical Chemistry
5. M.Sc. in Applied Chemistry
6. M.Sc. in Industrial Chemistry
7. M.Sc. in Nanotechnology
8. M.Sc. in Polymer Chemistry
9. M.Sc. in Agrochemical and Pest Management



10. M.Sc. in Alcohol technology
11. M.Sc. in Medicinal Chemistry
12. M.Sc. in Cheminformatics
13. M.Sc. in Environmental Science
14. M.Sc. in Geography etc.

Out of all these- organic, inorganic, physical, analytical are the 4 main branches that are available in almost all universities and selected P.G. centres.

- **Complementary Courses:**

A student holding a B.Sc. Chemistry degree can change his/her career direction after completion of graduation. Depending on the choice of a career he/she can opt for the complementary course to pursue a different career path. Some of the complementary courses a student can pursue are Law, M.B.A, Mass Communication, Journalism etc.

- **Industrial Sector/ Public Sector:**

Students who look for jobs after B.Sc. stand in a position to get employed based on B.Sc. Chemistry degree. There are many private/public sector organizations that offer employment to such candidates.

- **Competitive Exams:**

Bachelor's degree is the prerequisite for competitive exams. Students who seek administrative positions have to give these competitive exams such as M.P.S.C., U.P.S.C., NABARD, banking exams, Police Recruitment, Défense Services etc.

By

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