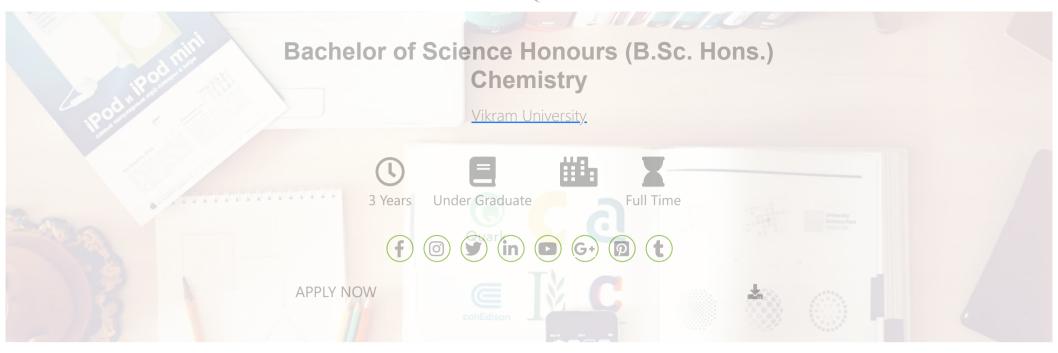




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## Bachelor of Science Honours (B.Sc. Hons.) Chemistry

#### What is Bachelor of Science Honours (B.Sc. Hons.) Chemistry?

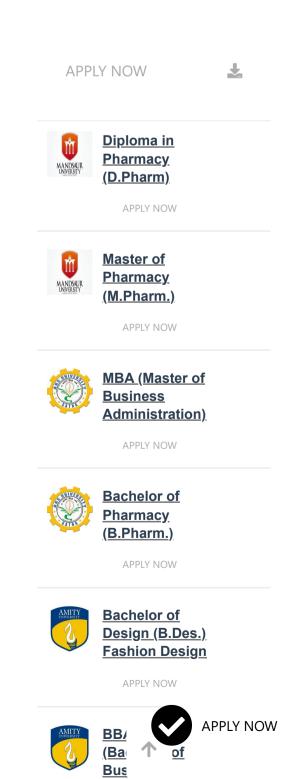
The B.Sc. (Hons.) A chemistry degree adds a unique touch to the standard bachelor of science topics such as mathematics, physics, and computer applications. This course also covers atomic structure, chemical bonding, thermodynamics, elemental chemistry, organic compound classes, electrochemistry, and coordination chemistry. It also includes quantum mechanics, spectroscopy, computer applications in chemistry, a method of chemistry, chemical analysis, environmental and biochemistry, etc.

The B.Sc. (Hons.) in Chemistry degree provides a basis for chemical studies and various changes in the domains of research and development, oil, pharmaceuticals, chemical industries, public health and environmental protection, clinical research, and so on.

The study of Chemistry includes the composition, structure, characteristics, and reactions of materials, specifically atomic and molecular systems. It is taken up by studying several chemical theories and branches within the B.Sc. (Hons.) Chemistry curriculum. Applicants should have analytical and problem-solving skills and the ability to examine and analyse data and make judgments based on limited information.

They should also be capable of time management and organisation, designing and carrying out experiments, and undertaking and finishing individual and group project work. Other talents include writing and spoken communication, careful situation monitoring, collaboration, and computer expertise.

Eligibility Criteria for Bachelor of Science Honours (B.Sc. Hons.) Chemistry



<u>Administration +</u>

Candidates who have finished their 12th-grade schooling with science as their primary field and have attained a minimum aggregate mark in their examinations are eligible for this course. Some schools examine the admission test results depending on the subjects covered and may consider those scores as well.

## Admission Procedure for Bachelor of Science Honours (B.Sc. Hons.) Chemistry

The admission procedure is carried out by taking into account the student's merit score in their examinations. Some institutes hold entrance tests and personal interviews conducted by the institute, which varies or relies on the institute.

#### Benefits of Bachelor of Science Honours (B.Sc. Hons.) Chemistry

Three years of B.Sc Chemistry include Chemistry and other topics such as Physics, Math, and Biology via distinct or integrated curricula.

Candidates will get a comprehension of all of the fundamental principles they learned in school, in-depth knowledge of those topics and an awareness of new facets of chemistry.

It will also relate chemistry to other courses through themes such as Biochemistry, Earth Science, Industrial Science, and Pharmacology, among others.

After all, it's a chance to understand all about the chemistry that operates in our everyday lives.

## Career Prospects after Bachelor of Science Honours (B.Sc. Hons.) Chemistry

Candidates who complete the B.Sc. (Hons.) Chemistry courses are qualified to work in heavy chemical industries, government hospitals, food industries, industrial laboratories, Indian Civil Services, medical services, medical research, manufacturing and processing firms, and so on. These occupations include jobs such as Teacher, Cytologist, Geneticist, Laboratory Technician, Pharmacist, Plant Biochemist, Research Associate, and so on.

After completing this course, the B.Sc. (Hons.) A chemistry degree serves as the foundation for further higher studies in this subject, such as M.Sc., PhD, and M.Phil. degrees in chemistry.

## Job Opportunities after Bachelor of Science Honours (B.Sc. Hons.) Chemistry

A B.Sc (Chemistry) Graduate can pursue various job types as a career. Though completing a Masters degree is suggested for a better salary, there are career chances for grads. Some of the top recruiters are Bodal Chemicals Ltd, TATA Chemicals, Vinati Organics, Unacademy, etc.

Employment areas:

A Candidate with B.Sc in Chemistry can work in various fields like Educational institutions, chemical laboratories, the cosmetics and fragrance industry, the health care industry, and so forth.

A pharmacist may earn an annual salary of around 4 to 5 Lacs
The radiologist may make a yearly salary of approximately 3 to 5 Lacs
Laboratory Technician may make an annual wage of around 4 to 5 Lacs
Research Scientists may make a yearly salary around 6 to 7 Lacs
A teacher may earn a yearly salary of around 6 to 7 Lacs

# Fees Structure & Course Duration of Bachelor of Science Honours (B.Sc. Hons.) Chemistry

The average fee variation is INR7000 to INR 30,000, depending on the institution.B.Sc Chemistry is a three-year undergraduate programme pursued after finishing the 12th grade in a science stream.

#### Bachelor of Legislative Law)

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## Master of Design (M.Des.)

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## Master of Fine Arts (M.F.A.)

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### Master of Education (M.Ed.)

APPLY NOW



## Bachelor of Laws (LLB)

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## Master of Law (LLM)

APPLY NOW



## Bachelor of Laws (LLB)

APPLY NOW



# MBA (Master of Business Administration)

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Computer
Application (DCA)

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Bachelor of Laws (LLB)

APPLY NOW



MBA (Master of Business Administration)

APPLY NOW





APPLY NOW







Ujjain

Vikram University





**Duration** 



Type of Course

12 with Science

3 Years

Under Graduate

# Syllabus of Bachelor of Science Honours (B.Sc. Hons.) Chemistry

## Syllabus of Bachelor of Science Honours (B.Sc. Hons.) Chemistry

#### Year 1

S.No	Subjects
1	English Communications
2	Environmental Science
3	Inorganic Chemistry
4	Inorganic Chemistry Lab
5	Physical Chemistry
6	Physical Chemistry Lab
7	Organic Chemistry
8	Organic Chemistry Lab
9	Physical Chemistry
10	Physical Chemistry Lab

## Year 2

S.No	Subjects
1	Inorganic Chemistry II
2	Inorganic Chemistry II Lab
3	Physical Chemistry II
4	Physical Chemistry II Lab
5	Organic Chemistry II
6	Organic Chemistry II Lab



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#### Students also visited



Mandsaur University, Mandsaur...



AKS University, Satna...



Amity University, Gwalior, Gwalior...



Avantika University, Ujjain, Ujjain...



Bhabha University, Bhopal...



Swami Vivekanand University, Sagar, Sagar...



Symbiosis
University of
Applied Sciences,
Indore (SUAS),
Indore...



Sardar Patel University, Balaghat, Balaghat...



Dr C V Raman University, Khandwa...



Mangalayatan University, Jabalpur, Jabalpur...



Mahakaushal University, Jabalpur...



7	Physical Chemistry II
8	Physical Chemistry II Lab

## Year 3

S.No	Subjects
1	Applications of Computers in Chemistry
2	Analytical Methods in Chemistry
3	Molecular Modelling & Drug Design
4	Novel Inorganic Solids
5	Polymer Chemistry
6	Research Methodology for Chemistry
7	Green Chemistry
8	Industrial Chemicals & Environment

## **Vikram University Highlights**

Established in	1957
University Type	State University
Recognized by	UGC , AICTE , AIU , NAAC , NCTE , BCI , PCI , INC , IAP ,
Courses	61

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	SGT University		

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