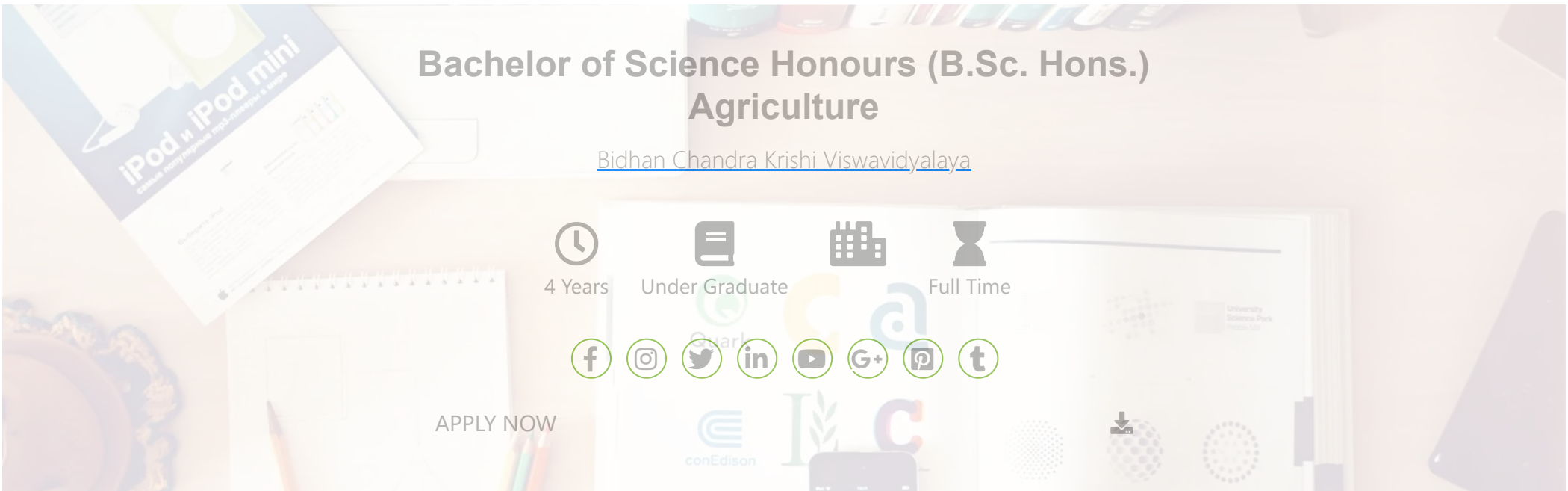

Bachelor of Science Honours (B.Sc. Hons.) Agriculture

Bidhan Chandra Krishi Viswavidyalaya

4 Years | Under Graduate | Full Time

APPLY NOW

Bachelor of Science Honours (B.Sc. Hons.) Agriculture

About BSc Agriculture Course

The BSc Agriculture program, which stands for Bachelor of Science in Agriculture, is a four-year undergraduate program that focuses on the research and practice of agricultural science. It includes subjects like Genetics and Plant Breeding, Agricultural Microbiology, Soil Science, and Plant Pathology. It can be earned offline, online, or through distance learning and is a professional degree in agricultural science that is recognized by the Indian government. Students who take this course will be able to put the latest agricultural technologies and methods to use in the real world. Students who are interested should have completed their 12th grade with a major in either biology, chemistry, or physics. Merit and direct interview, as well as BSc Agriculture Entrance Exams like CUET, ICAR AIEEA, and CG PAT, are the criteria for admission.

The BSc Agriculture curriculum spans eight semesters. Agronomy, crop physiology, genetics, plant biochemistry, soil science, entomology, horticulture, and agricultural economics are among the BSc Agriculture subjects. Some of the best BSc in agriculture colleges include TNAU, Punjab Agriculture University, Dr. DY Patil College of Agricultural Engineering and Technology, Govind Ballabh Pant University of Agriculture and Technology, and Chandigarh University. Course fees range from INR 25,000 to INR 70,000. Students with a Bachelor of Science in Agriculture have a lot of options after graduation, including government jobs and higher education. With starting pay ranging from INR 3,40,000 to INR 5,20,000, graduates with a BSc in agriculture can work as an agriculture officer, assistant plantation manager, agricultural research scientist, business development executive, or marketing executive, among other positions.

BSc Agriculture Course Highlights

Some of the major highlights of the BSc Agriculture course are as follows -

Name of the Course	Bachelor of Science (BSc) Agriculture
Duration of the Course	04 Years
Eligibility Criteria	Science background students who have completed their 10+2 studies from a recognised Board with at least 50% marks are eligible. Students should have studied Physics, Chemistry and Biology mandatorily at the qualifying exam level
BSc Agriculture Admission Process	Both entrance test based and merit-based admission process
BSc Agriculture Average Course Fee	INR 2 Lakh to INR 3 Lakh
BSc Agriculture Average Beginning Salary	INR 3 LPA to INR 6 LPA
Usual Job Profiles	· Agriculturist, Agriculture Technician, Agriculture Development Officer, Agricultural Research Scientist, Assistant Plantation Manager

BSc Agriculture Eligibility Criteria

1) The candidate must have earned a 10+2 or equivalent from a reputable board with subjects in biology, chemistry, math, and physics.
2) There is no upper age limit; the minimum age of the student is 17.
3) On any examination that is comparable to the higher secondary school exam, students should receive a minimum score of 50%.
4) Because some universities have their own entrance exams, students must pass the BSc Agriculture exam.

How can I apply for a BSc in Agriculture?

The first step in the BSc Agriculture admissions process is completing the online or paper admissions form and attaching all required documents, such as an Aadhaar card, a voter ID card, and mark sheets from grades 10 and 12. Students can find information about the BSc Agriculture program on the websites of the universities they have chosen.

How do I get into a BSc Agriculture program?

The admissions procedure varies from institute to institute. Some colleges offer direct admission to BSc Agriculture programs based on merit and a personal interview. In addition, national, state, or university-level entrance exams are used by some colleges to admit interested students.

Direct Admission

To be considered for admission, students must submit their college applications before the application deadline, whether online or in person.

For Admission Based on an Entrance Exam

Students are required to fill out a registration form for one of the numerous BSc Agriculture Entrance Examinations, such as the KCET or KEAM, which offer admission to colleges in Kerala or Karnataka, respectively. Admission is granted

based on performance on these exams following the various rounds of counseling sessions, which typically include Group Discussions and Personal Interviews.

The cut-off scores for the BSc Agriculture selection process will be made available shortly after the results are released. After that, those who made the cut will take part in online counseling to get into the BSc Agriculture program. During online counseling, candidates must have options for the colleges to which they want to apply.

List of Popular BSc Agriculture Admission Exams

In India, the following is a list of some of the most popular entrance exams. For BSc agriculture admission to a number of colleges across the nation, students can take these exams online.

1) ICAR AIEEA
2) Rajasthan JET
3) TS EAMCET Agriculture
4) AP EAPCET Agriculture
5) MP PAT
6) UPCATET
7) BCECE Agriculture
8) CG PAT
9) MHT CET
10) KCET
11) TJEE
12) HORTICET

Type of BSc agriculture:

Full-Time BSc Agriculture	Part-Time BSc Agriculture	Distance BSc Agriculture
There is a full-time, four-year BSc Agriculture programme. In this line of work, practical expertise supersedes theoretical comprehension. Students can interact closely with teachers and their classmates during a full-time course, which broadens their exposure to new ideas, experiences, and knowledge.	A part-time BSc in agriculture is offered. Practical knowledge is more important in this industry than theoretical understanding. The benefit of a part-time BSc in agriculture is that it gives students the freedom to work while they are in school.	Distance learning is the best choice for those who already have a bachelor's degree and don't have the time to attend traditional classes while pursuing a BSc in Agriculture. The completion time ranges between two and three years, depending on the candidate's schedule.

Required Skill Set for BSc Agriculture Course

Course Patience, attention to detail, and excellent observational skills are required in the agricultural field. Because it is so demanding and only the best will survive, this field should only be pursued by people who truly love agriculture. The following are some of the skills that are required for a BSc in Agriculture:

1) Initiativ1

2) Flexibility

3) Effective communication

4) Analytical skills

5) Commercial awareness

6) IT skills

7) Marketing & Sales Skills

Career Options and Job Prospects

After completing the BSc Agriculture Course There are more opportunities for employment as agriculture gains importance. in a great number of agricultural departments, extension services, research organizations, commercial farming, and other related fields. Today, agriculture is the subject of numerous research projects and teaching assignments. The annual salary of these professionals ranges from INR 2 to 8 LPA on average. In the public sector, it might be higher.

The Government of India Agricultural Officer (Agronomist) position is one of the most prestigious in the public sector after receiving a BSc in agriculture. The following are additional careers related to the profile:

1) Agriculture Officer

2) Assistant Plantation Manager

3) Agricultural Research Scientist

4) Business Development Executive

Marketing Executive Because agriculture is regarded as the backbone of the nation, earning this degree will provide you with numerous opportunities to carry out research and make use of the most recent technologies for successful crop growth and increased yields. Graduates with a BSc in agriculture can find work in research centers, agricultural businesses, and a variety of public, private, and government institutions. After completing this course, some of the most common job fields are listed below.

BSc Agriculture Job Description

Here are some of the most sought-after job profiles:

Job Profile	Job Description
Agriculture Officer	Agriculture-related businesses and farmers are the clients of an agriculture officer. An agriculture officer's primary responsibility is to provide leadership in order to boost agricultural productivity.
Assistant Plantation Manager	The efficient and profitable management of harvesting and other operations connected to the plantation of crops or vegetables falls under the purview of the assistant plantation manager.
Agricultural Research Scientist	Research is where agricultural research scientists start. They are primarily concerned with the biological processes of various things and their relationships with products and processes. They include both lab work and fieldwork.
Agriculture Development Officer	An agriculture development officer, like an agriculture officer, works to increase soil productivity and other agricultural practises.
Agriculture Technician	By developing techniques to increase crop yield and safeguard animals from disease, agricultural technicians work in the fields of food, fibre, and animal research, production, and processing.
Marketing Executive	In order to maximise profits, a Marketing Executive promotes a product and develops sales strategies to attract customers and meet their needs. It is one of the most common job profiles in the business world.

Plant Breeder	Plant breeders create new strategies, tools, and technologies to increase the yield of India's major crops.
Seed Technologist	Seed Technologists assist seed growers by assisting them with seed equipment operations, seed planting, and seed scouting.

BSc Agriculture Course Scope in India

Agriculture is the process of growing grains, organic vegetables, fruits, and other foods. With a BSc in Agriculture, graduates are equipped with the knowledge necessary to cultivate crops with higher nutritional values in response to the demands of the agricultural and food industries. BSc in agriculture graduates can work as managers, plant breeders, geneticists, soil scientists, and consultants for the agricultural industry, among other positions.

After earning their BSc in agriculture, ambitious individuals may decide to pursue postgraduate education. They can choose to specialize in MSc programs in agriculture, horticulture, forestry, plant pathology, or other related fields. Agribusiness management MBAs are an option for those with a business-oriented approach to the field who complete a BSc in agriculture. Those who want to work as agricultural scientists or in academia must choose between a PhD and an MPhil after earning a postgraduate degree in agriculture or a related field.

Before we get into the major career options, let's take a look at a few master's degrees in agriculture and their various specializations:

1) MBA in Agriculture

2) MSc in Agriculture

3) MBA in Agribusiness

4) MSc in Plant Pathology

5) Master's in Sustainable Agriculture

6) MSc in Agricultural Economics

7) MScAgric in Genetics

8) Master's in Agricultural Engineering

9) Master's in Agroecology

10) Master's in Plant Science

11) Master's in Agronomy

12) Master's in Master of Food Science and Agribusiness

13) MSc Genetics and Plant Breeding

There are more opportunities for employment as agriculture gains importance. In numerous agricultural departments, extension services, research organizations, commercial farming, and other related fields. Today, agriculture is the subject of numerous research projects and teaching assignments. The annual salary of these professionals ranges from INR 2 to 8 LPA on average. In the public sector, it might be higher. The Government of India Agricultural Officer (Agronomist) position is one of the most prestigious in the public sector after receiving a BSc in agriculture.

Campus	University	Delivery Mode
Nadia	Bidhan Chandra Krishi Viswavidyalaya	

Eligibility	Duration	Type of Course
10+2 or Equivalent with Physics, Chemistry, and Biology	4 Years	Under Graduate

Syllabus of Bachelor of Science Honours (B.Sc. Hons.) Agriculture

BSc Agri Syllabus

The syllabus and course curriculum is inclusive of class lessons, field trips, lab sessions, practical training, cattle training, etc. Subjects such as Soil Microbiology, Plant Breeding and Genetics, Agricultural Economics, Agronomy, Plant Pathology, Statistical Methods, Post Harvest Technology, etc. are included in the BSc Agriculture syllabus.

A semester wise breakup of the syllabus of this undergraduate agricultural science course is mentioned below:

Semester I	**Semester II**
Fundamentals of Agronomy	Fundamentals of Crop Physiology
Fundamentals of Genetics	Fundamentals of Plant Biochemistry
Fundamentals of Soil Science	Fundamentals of Entomology-I
Fundamentals of Horticulture	Fundamentals of Agricultural Economics
Rural Sociology & Educational Psychology	Principles of Organic Farming
Introduction to Forestry	Fundamentals of Plant Pathology
Introductory Animal Husbandry	Production Technology for Vegetables and Spices
Comprehension & Communication Skills in English	Fundamentals of Agricultural Extension Education
Agricultural Heritage	Food Processing and Safety Issues
Introductory Biology or Basic Agriculture 1	Human Values & Ethics
Elementary Mathematics or Basic Agriculture 2	Soil and Water Conservation Engineering
Semester III	**Semester IV**
Crop Production Technology 1 (Kharif crops)	Crop Production Technology II (Rabi crops)
Practical Crop Production 1 (Kharif crops)	Practical Crop Production II (Rabi crops)
Fundamentals of Plant Breeding	Principles of Seed Technology
Agricultural Microbiology	Problematic soils and their Management
Agricultural Finance and Cooperation	Renewable Energy and Green Technology
Farm Machinery and Power	Production Technology for Ornamental Crops, MAP and Landscaping
Principles of Integrated Disease Management	Entrepreneurship Development and Business Communication
Environmental Studies & Disaster Management	Introductory Agro-meteorology & Climate Change
Dairy Science	Poultry Production & Management

Fundamentals of Entomology-II	-
Semester V	**Semester VI**
Rainfed and dryland Agriculture	Farming System, Precision Farming & Sustainable Agriculture
Crop Improvement-1 (Kharif crops)	Crop Improvement-II (Rabi crops)
Pests of Crops and Stored Grain and their Management	Manures, Fertilizers and Soil Fertility Management
Agricultural Marketing Trade & Prices	Farm Management, Production & Resource Economics
Protected Cultivation and Secondary Agriculture	Diseases of Field and Horticultural Crops and their Management-II
Diseases of Field and Horticultural Crops and their Management-I	Post-harvest Management and Value Addition of Fruits and Vegetables
Production Technology for Fruit and Plantation Crops	Watershed and Wasteland Management
Communication Skills and Personality Development	Beneficial insects and Pest of Horticultural Crops and their Management
Intellectual Property Rights	Elective-2
Principles of Food Science & Nutrition	Educational Tour
Geo-informatics and Nanotechnology	-
Elective-1	-
Semester VII	**Semester VIII**
General orientation & On-campus training by different faculties	Production Technology for Bioagents and Biofertilizer
Project Report Preparation, Presentation, and Evaluation	Seed Production and Technology
-	Mushroom Cultivation Technology
-	Soil, Plant, Water, and Seed Testing
-	Commercial Beekeeping

Bidhan Chandra Krishi Viswavidyalaya Highlights

Established in	1974
University Type	State University
Recognized by	UGC , AICTE , ASCI ,
Courses	13