

Parvathaneni Brahmayya
Siddhartha College of Arts and Science, Vijayawada
(Autonomous)

Programme: B.Sc Honours (Botany)

B.Sc Honours (Botany) is a 4-year undergraduate degree programme, which deals with the study of plants and their physiology. The B.Sc Honours (Botany) Syllabus focuses on the specialized scientific study of plants, fungi, algae, and covers subjects of Physiology and Anatomy in detail.

Some of the benefits of pursuing a BSc Botany course are:

- Students gain skills and knowledge, which they can apply to do the botanical research and findings in areas such as Agriculture, Forestry, Horticulture, Plant Breeding, etc
- A graduate of BSc Honours (Botany) can contribute to the environmental Conservation and genetic modification of plants.
- These graduates have diverse job opportunities in both government and private sector jobs with ample jobs rules offered to them.
- B.Sc Honours (Botany) professionals are offered an average salary of INR 4-8 LPA.
- National Chemical Laboratory, Indian Institute of Ecology, Wildlife Conservation Society, etc are some of the top recruiters to work with.
- After completing BSc Botany, a student may go for a Master's Degree or a career in the R&D (Research and Development) sector.

B.Sc Honours (Botany) Jobs & Career Options

Upon successful completion of the program, graduates get exposed to a number of B.Sc Honours (Botany) Jobs, Some of them are Plant Pathologist, Ecologist, Nursery Manager, Plant Explorer and Conservationist.

B.Sc Honours (Botany) salary ranges between INR 4-8 LPA. The different areas of employment that are enjoyed by BSc Botany graduates are:

- Agricultural Research Services

- Botanical Survey Centres
- Eco-botany
- Biotechnology Firms
- Fermentation Industries
- Environmental Management Units
- Food Industry and Herbal Industry

Some of the top recruiting companies for BSc Botany graduates are:

- National Chemical Laboratory
- Wildlife SOS
- Indian Institute of Ecology
- Wildlife Conservation Society
- Centre for Science and Environment
- Environmental Education
- Nature Conservation Foundation

Jobs

Listed below are some of the popular BSc Botany jobs, along with their corresponding job descriptions and salaries offered:

Job Position	Job Description	Average Salary (INR)
Forester	Forester is the person responsible for managing forests. From time harvest management to the management of secured areas, they perform various related duties.	4 LPA
Ecologist	An Ecologist is a person who is in charge of the Ecosystem within some boundary or area. Assessing the diversifying organisms, survey ecosystems and behaviour of the various organisms are some of the regular jobs of these professionals.	3.5 LPA
Biological Technician	Biological Technicians are responsible for the experiments which deal with living things. He can also be termed as a scientist helper/technician. The work also includes setting up and maintaining tools and equipment.	5 LPA
Botanist	Botanist is responsible for researching different types of plants and they determine how various plants affect various environments.	6 LPA
Horticulturist	Horticulturist conducts researches on the areas of production of crops,, gardening, plant propagation, plant psychology, plant breeding, and plant biochemistry, etc	5.5 LPA

B.Sc Honours (Botany) Scope

Upon successful completion of B.Sc Honours (Botany) degree, a candidate may go for Lectureship or may go for higher education/ Higher degrees from some renowned institutions. Some of the immediate chosen options after BSc Botany are:

- **M.Sc. Botany**
- **M.Sc. Environmental Management**

With the expansion of research practices all over the world, a candidate may also **PhD in Botany** as the next option to their career growth, after completing their masters.

B.Sc Honours (Botany) Admission Process

Admissions to B.Sc Honours (Botany) are done on the basis of merit. The government of Andhra Pradesh notifies the admission process and asks registration for convener quota of 17 seats. The remaining 08 seats will be in management quota. For management quota consult the college office or use chat bot for enquiry.

B.Sc Honours (Botany) Eligibility

Students who wish to pursue B.Sc (Botany) courses should fulfil the following eligibility criteria in order to get through colleges offering B.Sc Honours (Botany) course,

- Students should clear class 12th board exams with BiPC/MBiPC
- They should clear their class 12th board exams from a recognized board

Possible minors

Chemistry/Bio-technology