

SRI DURGA MALLESWARA SIDDHARTHA MAHILA KALASALA, VIJAYAWADA-10



An Autonomous college in jurisdiction of Krishna University, A.P., India

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. Honors (Botany) Syllabus focuses on the specialized scientific study of plants, fungi, algae, and covers subjects like Plant Physiology and Anatomy.

Students gain skills and knowledge, which they can apply to do the Botanical research in areas such as Agriculture, Forestry, Horticulture, Plant Breeding, Environmental Science and Genetic Modification of Plants etc.,

After completing BSc Botany, a student may go for a Master's Degree or a career in the R&D (Research and Development) sector. These graduates have diverse job opportunities in both government and private sector

Scope for Higher Studies in Botany:

- ❖ Plant Pathology
- ❖ Biotechnology
- ❖ Plant Genetic Engineering
- ❖ Industrial and Environmental Biotechnology
- ❖ Microbiology
- ❖ Chemistry
- ❖ Bioinformatics and computational Biology
- ❖ Herbal Science
- ❖ Environmental Science
- ❖ Genetics
- ❖ Marine biology
- ❖ Molecular Biology etc.

JOBS & CAREER OPTIONS:

This course provides following multiple options after successful completion:

- ❖ Career in Educational Institutions,
- ❖ Career as a researcher / scientist in highly reputed research institutes in India as well as abroad
- ❖ Career in National and state agencies and various industrial sectors.
- ❖ Career at State Forest Services/Indian Forest Services.
- ❖ With additional training and experience, a botanist can work in plant-related industries such as pharmaceutical companies, Seed companies, Biotechnology firms, Biological supply houses, scientific publishers and as Botanical illustrators.

POSSIBLE MINORS:

- ❖ Biochemistry
- ❖ Chemistry
- ❖ Food Science & Technology
- ❖ Microbiology
- ❖ Zoology
- ❖ Aquaculture