

B.Sc. Forestry

Bachelor of Science in Forestry

B.Sc. (Forestry) is a 4 year full time undergraduate program to get the students acquainted with various facets of forestry and its related specializations. The syllabus is very exhaustive in tune with the industrial as well as Govt. jobs requirements, Scientist in different departments, Banks, Forest Range Officers, Zoo curators, Wild life research, Forest conservation, Research in reputed institutes like ICFRE (Indian council of Forestry Research & Education), M.Sc. & Ph.D., if interested in academics, Indian Forest Service examinations and entrepreneurship development in forest based industries etc.

The entire course curriculum is conducted in 8 Semesters. First 6 semesters are dedicated to classroom teaching and experimentation in the field as well as laboratories. The 4th year is fully dedicated to actual project work in related fields to make the student competent enough to handle the future assignments independently.

SYLLABUS

Semester 1

- Fundamentals of Geology and Soil Science
- Plant Biochemistry and Biotechnology
- Introductory Botany
- Basic Mathematics
- Principles of Plant physiology
- Structural Grammar and Spoken English (NC)
- Elementary Statistic and Computer Application
- Chemistry and Fertility of Soils

Semester 2

- Principles of Cytology and Genetics
- Principles of Hydrology, Soil and Water Conversation
- Environmental Science
- Ethnobotany
- Fundamentals of Horticulture
- Fundamental of Extension Education
- Agrometeorology
- Medicinal and Aromatic Plants

Semester 3

- Forest Engineering & Survey
- Wood Anatomy
- Logging and Ergonomics
- Soil Survey, Remote Sensing & Watershed Development
- Forest Mensuration
- Introductory Forest Economics
- Tree Physiology
- Tree Seed Technology

Semester 4

- Principles and Practices of Silviculture
- Wood Science and Technology
- Wood Products & Utilization
- Silviculture of Indian Trees
- Nursery Management & Commercial Forestry
- Fundamentals of Wild Life
- Forest Pathology
- Forest Ecology, Biodiversity & Conservation

Semester 5

- Fundamental Forest Business Managements
- Dendrology
- Rangeland Management
- Silvicultural Systems
- Plantation Forestry
- World Forestry Systems
- Wild life Management
- Experimental techniques in Forestry
- Tribology and Anthropology

Semester 6

- Forest Management, Policy and Legislation
- Principles and Methods of Tree Improvement
- Utilization of Non-timber Forest Products
- Agroforestry Systems and Management
- Forest Entomology and Nematology
- Entrepreneurship Development and Communication Skills
- Marketing and Trade of Forest Produce
- Principles of Forest Economics,
- Project Planning and Evaluation

Semester 7 & 8

- Project work