

Master of Science (M.Sc.) in Botany (2 Years)

Duration: 2 Years (4 Semesters)

Program Type: Postgraduate Degree Program

Total Credits: 96–100 Credits (varies by university)

Note: Subject codes may vary among universities. The following is a standard university-style M.Sc. Botany syllabus with sample subject codes.

Semester I

Subject Code	Subject Name	Credits
BOT101	Cell Biology and Biomolecular	4
BOT102	Genetics and Plant Breeding	4
BOT103	Plant Physiology	4
BOT104	Psychology and Mycology	4
BOT105P	Practical-I (Cell Biology & Physiology)	4

Semester II

Subject Code	Subject Name	Credits
BOT201	Molecular Biology	4
BOT202	Plant Anatomy and Embryology	4
BOT203	Plant Taxonomy and Biosystematics	4
BOT204	Ecology and Environmental Biology	4
BOT205P	Practical-II (Taxonomy & Ecology)	4

Semester III

Subject Code	Subject Name	Credits
BOT301	Plant Biotechnology	4
BOT302	Plant Pathology	4
BOT303	Economic Botany and Ethnobotany	4

Subject Code	Subject Name	Credits
BOT304	Plant Resource Utilization	4
BOT305P	Practical-III (Biotechnology & Pathology)	4

Semester IV

Subject Code	Subject Name	Credits
BOT401	Advanced Plant Biotechnology	4
BOT402	Conservation Biology	4
BOT403	Bioinformatics and Computational Biology	4
BOT404	Research Methodology and Biostatistics	4
BOT405	Dissertation / Major Research Project	8