

B.Sc. BOTANY & BIOTECHNOLOGY

SEMESTER-I	
Course Code	Course Title
EN1111.3	English- Listening and Speaking Skills and four one act plays
ML 1111.3	Additional language Gadhyasahithyam
HN 1111.3	Prose, Drama and Creative writing
LT 1111.3	Communication Skills in Latin
BB1121	Foundation Course -Methodology and Perspective of Biotechnonology
BB1131	Complementary Course- Introduction to Biochemistry
BB1141.1	Core Course - Phycology, Mycology, Lichenology & Plant Pathology
BB1171	Core Course Vocational- Microbiology
SEMESTER-II	
EN1211.3	English II-Modern English Grammar and Usage
ML 1211.3	Additional language Drisyakala Sahityam
HN 1211.3	Poetry, Fiction and Communication Skills
LT 1211.3	Translation and Communication in Latin
BB1221	Foundation Course- Biophysics and Instrumentation
BB1231	Complementary Course-General Biochemistry
BB1241	Core Course- Environmental studies
BB1242	Core Course- Practical Botany I (Practical of BB1141 & BB1241)
BB1271	Core Course Vocational- Microbial Metabolism, Genetics and Diseases
BB1272	Core Course Vocational- Biotechniques I (Practical of BB1171, BB1271)

SEMESTER-III	
Course Code	Course Title
BB1311	English IV- Writing and Presentation Skills
BB1331	Complementary Course- Physiological aspects of Biochemistry
BB1341	Core Course- Angiosperm Anatomy and Reproductive Botany
BB1342	Core Course- Bryology, Pteridology Gymnosperms & Paleobotany
BB1371	Core Course Vocational- Protista and Animal Diversity
BB1372	Core Course Vocational- Animal Physiology and Anatomy

SEMESTER-IV	
Course Code	Course Title
BB1411.3	English- Readings in Literature
BB1431	Complementary Course- Metabolism
BB1432	Complementary Course- Practical Biochemistry IV Practicals of BB1131, BB1231, BB1331 and BB1431
BB1441	Core Course- Horticulture, Mushroom Cultivation & Marketing
BB1442	Core Course- Cell Biology, Plant Breeding and Evolutionary Biology.
BB1443	Core Course- Practical Botany-II Practicals of BB1341, BB1342, BB1441 and BB1442
BB1471	Core Course Vocational-Molecular Biology
BB1472	Core Course-Immunology
BB1473	Core Course Vocational- Bio techniques- II (Practicals of BB1371, BB1372, BB1471 and BB1472)

SEMESTER-V	
Course Code	Course Title
BB1541	Core Course- Plant Physiology
BB1542	Core Course- Angiosperm Morphology and Systematic botany
BB1571	Core Course Vocational- Recombinant DNA Technology
BB1572	Core Course Vocational- Plant Biotechnology
BB1573	Core Course Vocational- Animal Biotechnology
BB1581	Bioinformatics
BB1582	Open course Food and Dairy Biotechnology
BB1583	Basics of Environmental Biotechnology

SEMESTER-VI	
BB1641	Core Course- Genetics
BB1642	Core Course- Economic Botany, Ethano Botany & Medicinal Botany
BB1643	Core Course- Practical Botany-III Practical of BB1541, BB1542, BB1641, BB1642
BB1671	Core Course Vocational- Food and Industrial Biotechnology
BB1672	Core Course Vocational- Environmental Biotechnology
BB1673	Core Course Vocational- Bio techniques II Practical of BB1571, BB1572, BB1671 and BB1672
BB1681	Elective Course Bio informatics and Nanobiotechnology
BB1682	Genetic Engineering
BB1683	Food and Dairy Biotechnology
BB1661	Project on Biotechnology