

**Programme Name: M.Sc. Life Science**

**Programme Code: LS5A**

Year	Semester	Course Code	Course name
1	I	LS5A-501	Biochemistry
1	I	LS5A-503	Cell Biology
1	I	LS5A-505	Basic Genetics
1	I	LS5A-507	Analytical Techniques
1	I	LS5A-521	Biostatistics, Bioinformatics & Computers (Elective)
1	I	LS5A-523	Basic Microbiology
1	I	LS5A-551	Comprehensive Viva-Voce
1	II	LS5A-502	Immunology
1	II	LS5A-504	Molecular Biology & Genetic Engineering
1	II	LS5A-506	Environmental Biology
1	II	LS5A-508	Applied Animal Physiology
1	II	LS5A-522	Plant Physiology
1	II	LS5A-542	Techniques in Life Sciences (Elective)
1	II	LS5A-552	Comprehensive Viva-Voce
2	III	LS5A-601	Plant Metabolism
2	III	LS5A-603	Plant Biotech: Tissue & Cell Culture
2	III	LS5A-605	Biodiversity & Toxicology
2	III	LS5A-607	Environmental Responses & Laws
2	III	LS5A-621	Photomorphogenesis (Elective)
2	III	LS5A-623	Developmental Biology (Elective)
2	III	LS5A-625	System Physiology-Animal (Elective)
2	III	LS5A-641	Cardiovascular abnormalities and their Regulations (Elective)
2	III	LS5A-651	Comprehensive Viva-Voce
2	IV	LS5A-602	Project Work (Quality, Presentation & Timely Submission)
2	IV	LS5A-652	Comprehensive Viva-Voce

*Baner*

*Head,*  
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**Programme Name: M.Sc. Industrial Microbiology**

**Programme Code: LS5B**

Year	Semester	Course Code	Course name
1	I	LS5B-501	Biochemistry
1	I	LS5B-503	Cell Biology
1	I	LS5B-505	Basic Genetics
1	I	LS5B-507	Analytical Techniques
1	I	LS5B-521	Biostatistics, Bioinformatics & Computers (Elective)
1	I	LS5B-523	Basic Microbiology
1	I	LS5B-551	Comprehensive Viva-Voce
1	II	LS5B-502	Immunology
1	II	LS5B-504	Molecular Biology & Genetic Engineering
1	II	LS5B-506	Microbial Metabolism
1	II	LS5B-508	Fermentation Technology
1	II	LS5B-522	Virology (Elective)
1	II	LS5B-552	Comprehensive Viva-Voce
2	III	LS5B-601	Medical Microbiology
2	III	LS5B-603	Industrial Production Process
2	III	LS5B-605	Food Microbiology
2	III	LS5B-607	Bioprocess Technology & Downstream processing
2	III	LS5B-621	Elective I
2	III	LS5B-623	Elective II
2	III	LS5B-651	Comprehensive Viva-Voce
2	IV	LS5B-602	Project Work (Quality, Presentation & Timely Submission)
2	IV	LS5B-652	Comprehensive Viva-Voce



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**Programme Name: M.Phil. Life Sciences**

**Programme Code: LS8X**

Year	Semester	Course Code	Course name
1	I	LS8X-801	Research Methodology in Life Sciences I
1	I	LS8X-803	Research Methodology in Life Sciences II
1	I	LS8X-805	Computer Applications
1	I	LS8X-807	Elective Paper I
1	I	LS8X-809	Elective Paper II
1	I	LS8X-811	Comprehensive Viva-Voce
1	II	LS8X-802	Assignments / Term paper
1	II	LS8X-804	Seminar (Project Related)
1	II	LS8X-806	Project Work (Dissertation, Presentation, Viva-Voce )

**Programme Name: Ph.D. Course Work (Life Sciences/Botany/Zoology)**

**Programme Code: LS9Z**

Year	Semester	Course Code	Course name
		LS9Z-901	Research Methodology
		LS9Z-902	Research Methodology in Life Sciences/Botany/Zoology
		LS9Z-903	Computer Applications
		LS9Z-904	Research & Publication Ethics
		LS9Z-905	Review of Literature
		LS9Z-951	Comprehensive Viva-Voce



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