



SACRED HEART COLLEGE (AUTONOMOUS)

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Every Good Work

A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
Molecular Microbiology	MB 704	M Sc Microbiology	Employability Contents: Information on DNA Replication, Transcription, Translation, Mutation, DNA Repair mechanisms, Gene transfer mechanism, Molecular techniques and various applications of Genetic Engineering. Activities: Seminar, Quiz, Oral Test	2021-22
Microbial Instrumentation	MB 705A	M Sc Microbiology	Employability Contents: Principles and Applications of various Instruments used in	2021-22

			Microbiology Laboratory Activities: Seminar, Quiz, Oral Test	
Biostatistics	MB 705B	M Sc Microbiology	Employability	2021-22
Phycology and Mycology	MB 705C	M Sc Microbiology	Employability Contents: Characteristics, Classification and Applications of Algae and Fungi. Activities: Seminar, Quiz, Oral Test	2021-22
Pharmaceutical Microbiology	MB 804A	M Sc Microbiology	Employability Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities: Hands- on-Training, Practical Exam	2021-22
Bioinformatics	MB 804B	M Sc Microbiology	Employability Contents: Search engines and various software tools involved in Bioinformatics and Chemoinformatics. Activities: Hands- on-Training, Practical Exam	2021-22

Public Health Microbiology	MB 804C	M Sc Microbiology	Employability Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities : Hands-on-Training, Practical Exam	2021-22
Internship	PBCD206J	M Sc Microbiology	Employability Contents: Instruments Handling and Other techniques Activities: Hands-on-Training, Report Submission, Review	2021-22
Microbial Remediation	MB 905A	M Sc Microbiology	Employability Contents: Environmental pollution; Toxic pollutants and Bioremediation using microorganisms. Activities: Seminar, Quiz, Oral Test	2021-22
Food Microbiology	MB 1001	M Sc Microbiology	Employability Contents: Role of microorganisms in many food, beverage and various industries both in production and spoilage processes. Activities: Seminar, MCQ, Oral Test	2021-22

Industrial Microbiology	MB 1002	M Sc Microbiology	Employability Contents: Use of microorganisms for the production of Antibiotics, Vaccines, Organic acids, Organic solvents, Amino acids, Vitamins and Industrial enzymes. Activities: Seminar, MCQ, Oral Test	2021-22
Microbial Biotechnology	MB 1003A	M Sc Microbiology	Employability Contents: Biotechnology and their applications in Genetic engineering. Activities: Seminar, MCQ, Oral Test	2021-22
Microalgal Technology	MB 1003B	M Sc Microbiology	Employability Contents: Cultivation of Microalgae and its various applications Activities: Seminar, MCQ, Oral Test	2021-22
Probiotic Microbiology	MB 1003C	M Sc Microbiology	Employability Contents: Develop the Entrepreneurial Skill production and assessment of probiotic microbes. Activities: Seminar, MCQ, Oral Test	2021-22

Project/Dissertation with Viva-Voce	MB 1004J	M Sc Microbiology	Employability Contents: Introduction, Review, Results, Discussion and References Activities: Project Review, Viva	2021-22
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