

*Empowering Through
Education*



SCAN ME

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Mount Carmel College, Autonomous



Department of Life Science

OVERVIEW

The need for an interdisciplinary program in Biology at the Post-Graduate level led to the establishment of the M. Sc. Life Science Department at Mount Carmel College in 2007. The course covers various basic and applied aspects of Biological Sciences. Such a holistic approach to the study of Biology is unique and very few Universities and colleges across the country offer similar programmes.

The department was recognized as a research center by Bangalore University in 2016 and later by Bengaluru City University in 2019 with registered PhD scholars.

In 2023 a dual major bachelor program was introduced by the department with Environmental Science and Sustainability.

VISION AND MISSION

Vision

Quality education to reach the maximum population of girls belonging to all strata of socio-economic status by enabling them to face challenges in life and create a career through scientific temperament and ethical practices

Mission

- Enable the students to integrate the curriculum to life requirements and empower them to be efficient teachers, researchers, and human beings
- Approach to higher learning through the integration of classical, applied, and emerging fields of biological sciences to improve the quality of life of students and the society

Highlights of the Department

The department focusses on holistic learning – both classic and emerging areas.

Few highlights of the department:

- Choice-Based Credit System enables students to choose papers of their interest.
- Guest lectures, hands-on skill training, and industrial/institute visits are organized for the students.
- Students are encouraged to participate in National and International Conferences.
- The experienced faculty encourage and prepare students for multiple job prospects for teaching, research, and taking up higher studies in India and abroad.

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ABOUT THE PROGRAM

Students undertaking the M.Sc. program in Life Science at Mount Carmel College are trained to explore and acquire an in-depth understanding of Biological Science. The program spans over two academic years, divided into four semesters. The course introduces the concepts of unity and diversity in Biology and the hierarchy of organization of biological systems. In the first year, students are introduced to the building blocks of life (Biochemistry and Molecular Biology), information perpetuation and transfer (Genetics), cells as the basic functional unit of life (Cell Biology) and higher levels of organization (tissue systems and physiology). In the second year, the focus is on applied papers like Food and Fermentation Technology, Clinical Biochemistry and Diagnostics, Animal Tissue Culture, Plant Tissue Culture, Immunology, Applied Microbiology, and Bioinformatics. Students undertake an in-house research project which helps them to develop the technical and analytical skills necessary to pursue a career in scientific research.

ELIGIBILITY FOR ADMISSION

Passing in the qualifying UG examination with an aggregate of 50% marks in the core subject is the eligibility criteria for the PG program.

The candidate should have studied Biology in the qualifying examination.

Faculty Members



M.Sc Life Science

CAREER PROSPECTS

- Teaching Career
- Research and Development Sector
- Pharmaceutical Sector
- Quality Control Sector
- Higher Studies in India and abroad

CONTACT

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**STUDENTS HAVE JOINED VARIOUS COMPANIES
AND RESEARCH INSTITUTIONS**



**ADMISSION PROCESS
2024 - 2025**

1. Application forms for admission for the academic year 2024-2025 will be available **ONLINE**.

2. Only online submission of application forms is allowed.

3. Fees for application to be paid through the Payment Gateway (Online Payment).



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