

Course fees

Rs. 46,000/- for 2 years (The course fees includes all fees including accommodation except Mess charges).

Scholarship

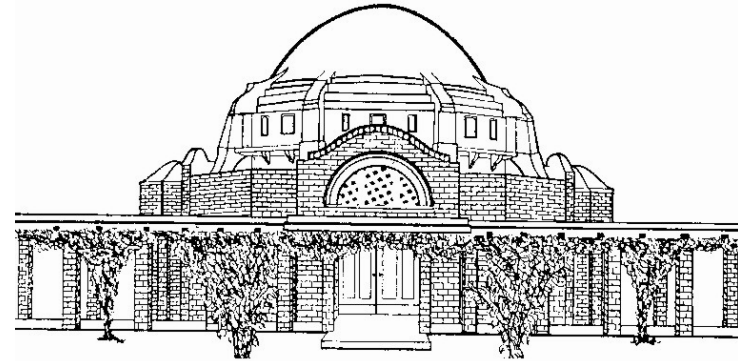
Scholarship will be provided to deserving candidates on scrutinization by the scholarship committee of CMC

Contact

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**Christian Medical College
Department of Biostatistics**



M.Sc. in Biostatistics

**Applying Statistics to
Biology, Medicine, Public Health,
and Drug Development**

www.cmc-biostatistics.ac.in

BioStatistics

Overview

Biostatistics is the application of statistical methods to biological research and most commonly to the medical and public health research. The discipline is majorly concerned with the design of experiments, surveys, observational and experimental studies and analysis of data from these studies. Biostatisticians play an essential role in the design and analyses of major areas of medical researches like Epidemiological research studies, Laboratory research studies and Clinical trials.

Need for Biostatisticians

As there is more and more Multinational Pharmaceutical Industries and Research organizations flourishing in India, there is growing demand for Biostatisticians and the M,Sc., graduates of biostatistics in Academic research centers and universities, Pharmaceutical industries and in Government sectors.

Department of Biostatistics

The Department of Biostatistics at Christian Medical College was established in 1964. The Department had a goal to provide opportunities for advanced education and research in biostatistics. With that view, a M,Sc Course in Biostatistics was started in 1986, under the University of Madras. This is the first of its kind in India. Since 1977, the department has been recognized for Ph.D program. The Department provides statistical and computational consulting in areas including sample size determination, data management, statistical analyses and preparation of statistical reports. In 1998, Biostatistics Resource and Training Center (BRTC) was set up to provide advisory and training services to government and non-governmental research institutes. This center organizes workshops on recent advancements in Biostatistics with the help of visiting faculty.

Faculties & Resources

The Department has six permanent faculty members and other staff members who are involved in research and programming activities. Faculties from McMaster University, Canada and University of North Carolina at Chapel Hill, USA visit the department to teach and share their expertise through workshops. The Department of Biostatistics operates a computer cell that support good network and specialized softwares. The Department library has an excellent collection of books and Research Journals in Biostatistics, Demography and Epidemiology.

The M,Sc. Program

The goal of this program is to train students in statistical methods, as applied to the problems in the biomedical and health sciences. During the course, students learn the basic principles of biostatistics, data analysis with specific computing applications. Students have 24 hours access to computing facilities with up-to-date statistical software (SAS, STATA, SPSS and S plus) through Biostatistics Resource and Training Center (BRTC).

Students are also presented with an opportunity to participate in consultation services provided by the department to other faculties and students in the college. Second year students will be posted in the Hospital for statistical consultations. This provides an exposure to ideas, methodologies and techniques needed to practice as an applied statistician. The program consists of two-year of full-time study which includes the successful completion of written exams and the Master's thesis. The Master's thesis is usually done during the second year of the program. The course consists of combination of lectures, seminars and practical exercises. The courses leading to M.Sc., degree include

No	First Year	Second Year
1	Probability and Distributions	Epidemiologic Methods, Time series and Genetic Epidemiology
2	Biostatistical Inference , Design of Experiments and Sampling-I	Biostatistical inference, Design of Experiments and Sampling-II
3	Research Methods and Health Data management	Applied Multivariate Analysis and Bioassay
4	Demography and Health Statistics	Categorical and Survival Data Analysis

Admission requirements

- B.Sc. degree in Statistics or in Mathematics (with Statistics as an ancillary / allied subject) from an institution approved by The Tamilnadu Dr. MGR Medical University.

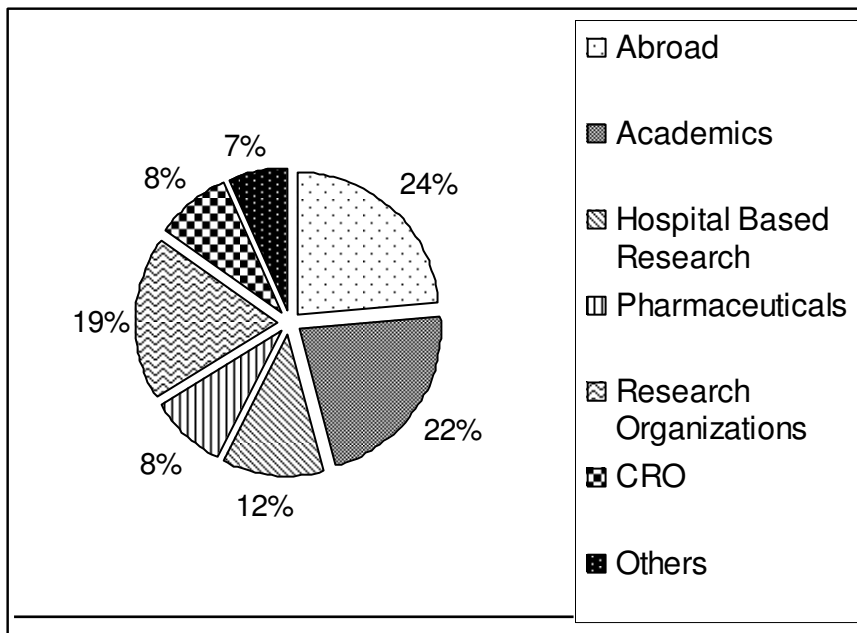
Accommodation

The accommodation is provided for all students.

Separate hostels are available for male and female students within the campus.

Alumni

Since the inception of the Masters program, the department has awarded 59 master's degree. Students graduating from the program enter into variety of sectors.



Christian Medical College

Christian Medical College and Hospital is an internationally reputed medical college and tertiary care hospital. It was established by Dr. Ida Scudder, a young American missionary in the year 1900. The college and hospital are located in Vellore, 140 KM from Chennai. CMC has become one of the leading medical institution in India, through its dedication to health care, education and research. Today CMC offers recognized training programs in medical, nursing and paramedical fields. Over 1500 students are pursuing graduate and advanced studies in this institution.

Further Information

Information about the college and courses offered is given in the college prospectus. Those who would like to apply for this course can contact

The Registrar,
Christian Medical College,
Vellore 632 002, India

We would be pleased to provide any further specific information, if contacted