

BIostatISTICS, DOCTOR OF PHILOSOPHY

Graduate Studies

Graduate Study

Biostatistics is a field of science that uses quantitative methods to study life sciences related problems that arise in a broad array of fields. The program provides students with, first, solid training in the biostatistical core disciplines and theory; second, with state-of-the-art knowledge and skills for biostatistical data analysis; third, substantial exposure to the biological and epidemiological sciences; and fourth, with a strong background in theoretical modeling, statistical techniques and quantitative as well as computational methods. Programs of study and research are offered leading to M.S. and Ph.D. degrees. The program prepares students for interdisciplinary careers ranging from bioinformatics, environmental toxicology and stochastic modeling in biology and medicine to clinical trials, drug development, epidemiological and medical statistics. The program draws on the strengths of the Biostatistics faculty at UC Davis.

Preparation

Students should have one year of calculus; a course in linear algebra or one year of biological course work; facility with a programming language; and upper division work in at least one of Mathematics, Statistics and Biology.

Graduate Advisor

Christiana Drake (Statistics)