



## Biostatistics Program Masters of Science Degree in Statistics with an Emphasis in Biostatistics

There is a demand in industry, government, and medical center settings for people trained at the Master's level who are able to contribute substantially to the statistical design and analysis of biomedical studies. This program combines course work in biostatistics and health science with experience in working on the statistical aspects of medical problems. Students who complete the program will have statistical expertise in inference, linear regression, analysis of variance, survival analysis, the design and analysis of clinical trials or epidemiological studies plus some actual consulting experience. Students may elect additional topics to meet their own interests.

The M.S. program requires approximately two years to complete. Basic required courses are a one semester graduate level mathematical statistics course, a consulting course plus a two semester sequence in regression and analysis of variance. The Emphasis in Biostatistics also requires two biostatistics courses. One additional course is required and may be selected from topics in probability, categorical data, sample survey, nonparametrics, and multivariate analysis. In order to complete the M. S. degree requirements, students must take a written exam involving the analysis of two applied problems, plus an oral defense of the solutions. This is usually done during the second year.

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Attendance at the [General Departmental Seminars](#) is required throughout.

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For more information on the Master's Program, see the [Department of Statistics web site](#), specifically the "[Master's Degree Regulations](#)."

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