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# Certificate in Biostatistics

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Biostatistics is essential to interpreting scientific data generated from public health research, epidemiology studies, biological experiments, clinical trials, and medical research. Students may earn either an undergraduate certificate or a graduate certificate in biostatistics (but not both). The certificate serves to credential training in data analytic techniques specific to these areas, including computational techniques, clinical trials, study design, and data presentation and visualization. Graduates may seek employment as biostatisticians, data scientists, data analysts, and research analysts, among other professions.

## Requirements

A certificate consists of at least 12 credits; at least 12 credits must be taken in MU course work. Students must meet the minimum GPA requirements for a certificate, which in no case can be lower than 2.0. In addition, a student cannot receive a grade lower than a C- in any course applied towards a certificate in the College. For more information, please see Requirements for an Optional Certificate (<http://catalog.missouri.edu/collegeofartsandscience/#requirementsforanoptionalcertificate>).

### Required Course:

STAT 4410	Biostatistics and Clinical Trials	3
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**Three of the following four courses:** **9**

STAT 4110	Statistical Software and Data Analysis
STAT 4420	Applied Survival Analysis
STAT 4430	Applied Longitudinal Data Analysis
STAT 4510	Applied Statistical Models I