

Biostatistics, Graduate Certificate

Requirements

The graduate Certificate in Biostatistics requires a minimum of 14 s.h. of graduate credit. Students must earn a grade of at least B-minus in each certificate course and must achieve a major program grade-point average of at least 3.00 in order to earn the certificate. The certificate is designed for students who would like to add a formal biostatistics emphasis to their graduate programs.

The program is open to students enrolled in a University of Iowa graduate degree program outside the Department of Biostatistics. It is also open to individuals who hold graduate degrees in science disciplines or professional degrees in the health sciences and are admitted to the Graduate College as nondegree students.

The certificate requires two core courses (6 s.h.) and three electives (minimum 8 s.h.). Students should work with an advisor to plan their coursework carefully because some certificate courses have prerequisites, require permission for enrollment, or are not offered every year. They must complete at least 5 s.h. of the required coursework after being admitted to the certificate program and may count a maximum of 5 s.h. of certificate credit toward a degree or another certificate earned at the university. At least 5 s.h. of the certificate plan of study must be exclusively applied to the certificate.

The Certificate in Biostatistics requires the following coursework.

Core Courses

Course #	Title	Hours
Both of these:		
BIOS:4120	Introduction to Biostatistics	3
BIOS:5120	Regression Modeling and ANOVA in the Health Sciences	3

Electives

Course #	Title	Hours
At least 8 s.h. from these:		
BIOS:4510	Data Science Foundations in R	2
BIOS:5130	Applied Categorical Data Analysis	3
BIOS:6210	Applied Survival Analysis	3
BIOS:6310	Introductory Longitudinal Data Analysis	3
BIOS:6420/ EPID:6420	Survey Design and Analysis	3
BIOS:6650/ EPID:6655	Causal Inference	3

Other courses may be approved as electives by the Department of Biostatistics director of graduate studies. See Certificate in Biostatistics on the College of Public Health website for more information.