
The Biomedical and Health Informatics Certificate program is a twelve-fifteen (12-15) credit hour program. The twelve (12) credit option is suited for some students, such as medical fellows, who may only have time to take one course per semester. The Graduate Certificate in Biomedical & Health Informatics (12 credits) is issued by the Department of Population and Quantitative Health Sciences. This Graduate Certificate will not appear on any CWRU transcripts. Courses taken toward the Graduate Certificate in Biomedical & Health Informatics (12 credits) can be used to fulfill requirements for other degrees and will appear on CWRU transcripts.

Students seeking to have their Graduate Certificate Sk Gdrl6 (e)Sho4(S)a (e)84 (W)-3616(R)h84(S)(e)Sh(G)oo or PhD in Biomedical and Health Informatics.

If you are a staff member or faculty member of CWRU, be sure to discuss certificate options with the program administrator to be sure you know how to apply your tuition benefits.

Entrance standards

Entrance to the certificate program will be administered by the Department of Population and Quantitative Health Sciences. Individuals who want to participate in the program should complete an application form that includes a brief personal statement describing the reason(s) for seeking health informatics training and a recent CV or resume.

We assume that most applicants to the certificate program will have already obtained a postsecondary (e.g. AS, BS, BA, MS, PhD) or advanced clinical (e.g. MD, MSN, DMD) degree and be a current health

Description of omic data (biological sequences, gene expression, protein-protein interactions, protein-

Development of skills in working with the large-scale secondary data bases generated for research, health care administration/billing, or other purposes. Students will become familiar with the content, strength, and limitations of several data bases; with the logistics of obtaining access to data bases; the strengths and limitations of routinely collected variables; basic techniques for preparing and analyzing secondary data bases and how to apply the techniques to initiate and complete empirical analysis.

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This course is designed to familiarize one with the language and concepts of clinical investigation and statistical computing, as well as provide opportunities for problem-solving, and practical application of the information derived from the lectures. The material is organized along the internal logic of the research process, beginning with mechanisms of choosing a research question and moving into the information needed to design the protocol, implement

