



Public Health Informatics

O N L I N E C E R T I F I C A T E P R O G R A M

Improve the Use of Information Technology in Public Health

Public health organizations are faced with the challenge of not only collecting and analyzing data related to the health of populations, but also managing this data in a way that maximizes the efficiency and efficacy of current and emerging public health interventions. Accordingly, there is a growing need for public health professionals who possess the knowledge required to develop, implement and evaluate public health information systems. The UIC Public Health Informatics online certificate program was designed to develop a new generation of public health informatics leaders.

What Will I Learn?

The Public Health Informatics certificate program is ideal for students seeking an overview of public health informatics, whether you are a public health professional or interested in a concentrated introduction to informatics. Students will

specifically develop the following skills and knowledge:

- Proficiency in health data definitions and standards
- Knowledge of the basic functions and operations of public health information systems
- Ability to plan and manage public health information systems projects
- Expertise to specify the requirements for the development or adaptation of public health information systems

Program Structure

The Public Health Informatics certificate is offered entirely online by experienced research faculty at CEPH-accredited UIC School of Public Health. The program consists of five courses, as well as an integrative paper. Courses include:

- Health Information and Decision Support Systems
- Development of Public Health Surveillance Information Systems
- Web-Based Public Health Information Systems
- Geographic Information System Application in Public Health
- Datamining Applications in Public Health

Our online courses promote student and faculty interaction through online discussion groups and the use of virtual collaboration sessions. Course objectives are assessed by participation in discussion, quizzes and assignments. Each student will receive graduate credit for the courses successfully completed, which could be transferred toward the fulfillment of the Master of Public Health in Public Health Informatics online program.

Who Should Apply?

The Public Health Informatics certificate program is ideal for:

- Public health professionals seeking to upgrade their informatics skills
- Individuals seeking a shorter course of study in public health informatics, with the option of applying to the UIC Master of Public Health in Public Health Informatics online program at a later date
- Students enrolled in schools of public health worldwide interested in supplementing a degree program with a public health informatics specialization

PROGRAM DURATION

17 credit hours

PROGRAM LEVEL

Graduate certificate

PROGRAM TYPE

Online