



UNIVERSITY OF MINNESOTA

School of Public Health

Driven to Discover™

# Certificate in Public Health Informatics

This unique certificate will prepare you to implement and manage public health information systems such as vital statistics systems, online analytic processing tools that support public health decision-making, immunization registries, population health surveillance, community health information networks and electronic public health data interchange.

The Certificate in Public Health Informatics (Cert-PHI) will provide you with competencies in the field of Public Health Informatics (PHI), over a period of 9-12 months, including: 1) the ability to conceive, design, develop, implement, and use IT by applying informatics skills in the public health domain, 2) the systems engineering technical skills necessary to lead the development of public health information systems; and 3) key technical and leadership skills necessary to manage information systems within an organization, or organizational networks such as community health information networks and health information exchanges.

We expect students who complete the Cert-PHI to have expanded and supplemented their current domain knowledge in a way that opens up new opportunities of discovery and employment as well as enhancing workforce development in PHI. Those who

complete the certificate would be employable, for example, in local and state health departments, and private industry, performing systems implementation and evaluation job functions.

The certificate was designed to fit with the Applied Public Health Informatics Curriculum (APHIC) and offers an excellent choice for those interested in improving the efficiency and effectiveness of public health data and systems.

## Program Curriculum

Total of 13 credits (available in person and through distance learning) are required for the Cert-PHI.

- Introduction to Public Health Informatics (PubH 6880, 2 cr)
- Managing Electronic Health Information (PubH 6813, 2 cr)
- Data and Information for Population Health Management (PubH 6814, 2 cr)
- Health Informatics I (HINF 5430, 3 cr)

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## For more information

<http://sph.umn.edu/programs/certificate/informatics/>

PHI Program Coordinator: Daniel Chan  
Email: [danielchan@umn.edu](mailto:danielchan@umn.edu)  
Phone: (612) 626-8871

## School of Public Health application information and materials

Web site: <http://sph.umn.edu/students/prospective/admissions/>

Phone: (612) 626-3500  
Toll Free: (800) 774-8638  
Fax: (612) 624-4498

- Public Health Systems Analysis and Development (PubH 6876, 2 cr)
- Public Health Systems Analysis and Development Practicum (PubH 6877, 2 cr)

**Certificate students are strongly encouraged to take the following course as most work related to PHI are projects.**

- Project Management for Health Professionals (PubH 6805, 2 cr)

**Other PHI-related courses of interest:**

- Information Visualization and GIS in Public Health (PubH 6800, 2 cr)
- Community Health Assessment (PubH 6705, 3 cr)
- e-Public Health: Design, development and testing of effective online Public Health interventions (PubH 6025, 3 cr)
- Ethics: Research and Policy (PubH 6742, 1 cr)
- Population Health Informatics (NURS 7108, 2 cr)
- Leading Change in Multiple Contexts for Public Health Professionals (PubH 6727, 2 cr)
- Clinical Informatics and Patient Safety (HINF 5520, 2 cr)
- Interprofessional Health Informatics (HINF 5540, 2 cr)
- Consumer Health Informatics (NURS 5116, 2 cr)
- Health Informatics II (HINF 5431, 3 cr)

## Qualifications for Admissions

- Baccalaureate degree or higher.
- Cumulative GPA of 3.0 is preferred.
- Strong writing skills. Relevant work and/or educational experience.
- All applications are reviewed holistically.
- Applications for the SPH Cert-PHI are being accepted to start Fall 2015 semester. Application deadlines are flexible, please contact the SPH.

## Application Requirements

Submit to the University of Minnesota School of Public Health:

- 1) Completed application and application fee.
- 2) Statement of Purpose & Objectives describing your reason for applying, career goals and how the Certificate will help achieve your goals.
- 3) Three letters of recommendation.
- 4) Official transcripts of record from each college/university attended.
- 5) Resume or C.V.
- 6) GRE score.
- 7) TOEFL or IELTS test scores (international applicants only - see application information for specifics).

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