

HEALTH CARE INFORMATICS, UNDERGRADUATE CERTIFICATE

(Offered cooperatively by the University of Wisconsin-Milwaukee College of Health Sciences and School of Information Studies.)

UWM offers a certificate in Health Care Informatics, as well as a Master of Science (MS) in Health Care Informatics and a PhD in Medical Informatics. The Certificate in Health Care Informatics provides undergraduate students with the educational foundation to pursue health informatics graduate studies. Students may work towards the certificate concurrently with any undergraduate major or as a post-baccalaureate certificate.

Healthcare organizations employ a vast and complex array of information systems. In order to utilize and maintain these systems, many more knowledgeable and skilled employees are needed.

The objectives of the program are to prepare students to understand, analyze, and evaluate information technology used to perform administrative and clinical tasks in a healthcare organization.

The program is of value to students in the health professions, information studies, and related areas of study who are seeking professional employment with hospitals, clinics, health insurance and pharmaceutical companies, as well as with vendors who have designed, developed, and installed healthcare information systems.

The purpose of the Certificate in Health Care Informatics is to provide an introduction and basic foundation for health professionals, information studies, and other students in the emerging practice of healthcare informatics.

Requirements

Coursework focuses on:

1. Introduction to information technology theory and application, with a special emphasis on internet communication;
2. Analysis and design of information systems in a healthcare environment;
3. Design, creation, and management of healthcare database systems; and
4. Legal aspects of information products and services.

Curriculum

The following requirements must be successfully completed to obtain a Certificate in Health Care Informatics. A minimum grade of C is required in each of the following courses, as well as a 2.5 cumulative GPA across all required courses.

Code	Title	Credits
HS 222	Language of Medicine	3
HS 224	Computational Tools for Healthcare Professionals	3
or INFOST 110	Introduction to Information Science and Technology	
INFOST 230	Organization of Knowledge	3

INFOST 250	Internet Communications and Information Transfer	3
HCA 537	Health Information Technology and Management	3
HCA 541	Healthcare Information Systems Analysis and Design	3
or INFOST 340	Introduction to Systems Analysis	
HCA 542	Healthcare Database Design and Management	3
INFOST 465	Legal Aspects of Information Products and Services	3
Total Credits		24