Program Overview

Biomedical informatics is an applied science, and is inherently intertwined with the contents of clinical and biomedical sciences with computer and information sciences. Biomedical Informatics is the study of biomedical, health care and clinical information: its structure, its communication, and its use. Since all aspects of science and society have become increasingly information intensive, the need to understand, to apply, and to create new methods for analyzing, managing, and acquiring information has never been greater. Nowhere is this need more acute than in biomedical, clinical, health care and pharmaceutical industries where health care planners, managers, scientists and practitioners routinely confront conflicting sources of knowledge and burgeoning numbers of data.

The main goal of this program is to train students in both the conceptual and practical tools from highly relevant disciplines e.g. computer and information sciences, decision sciences, imaging informatics, and clinical and health services research for the understanding, invention, generation and propagation of biological and medical information - to solve complex problems in prevention and treatment of diseases, health sciences and pharmaceutical research, clinical decision-making and delivery of health care, and hospital/healthcare information management. As such Biomedical Informatics is an essential element of 21st-century health and biological sciences.
Program description

The Post-Baccalaureate Healthcare Informatics Certificate Program is designed to quickly build up competencies in the field of Biomedical Informatics especially for those seeking a career change or advancement. Upon successful completion of a minimum of 18 credits in the Program the student is eligible to receive a Certificate in Health Care Informatics from Rutgers, the State University of New Jersey- School of Health Related Professions (SHRP). A student must take a minimum of 9 credits from a group of core courses, and 9 credits from a group of specialization courses. The Curriculum contents and guided projects under this option can be tailored to meet a student specific area of interest or requirements. Permission to take courses is contingent upon fulfillment of the specific course prerequisites, and approval of the Program Director. Those students who wish to continue onto the Master of Science Program in Biomedical Informatics can do so at any time during their tenure in the Certificate Program by forwarding the necessary application material to the Program Director. Further details can be obtained by consulting with the Program Director.

Full-time and Part-time status

Both categories of students are admitted in the Program.

Department Faculty

Please see the department faculty under Health Informatics department/Newark campus.

Primary Campus Location

Newark Campus for In-Class version & Moodle Course Management System for Online version.

Curriculum

See database for program requirements and course descriptions and select your program.

Mission/Goals/Objectives

The Certificate in Health Informatics program is designed for health care professionals who do not wish to pursue a graduate degree yet have a need to enhance their understanding of Health Informatics, and improve their knowledge and skills in relation to the use of the various tools and methods of Health Informatics.
Admissions Requirements

Applicant for admission must hold a bachelor’s degree from an accredited institution in the US or its equivalent with a major in any field of health sciences (including medicine, dentistry, allied health, nursing, public health, pharmacy), or biological sciences, computer science, engineering, business administration or an equivalent field of study. A student seeking admission must satisfy all entrance requirements of Rutgers-SHRP.

G.P.A. minimum requirement/credentialing requirement:
Minimum G.P.A. requirement is 3.0.

For more information
For more information contact the Office of Enrollment Services at (973) 972-5336 or via e-mail.

For more specific information contact the program at:
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RBHS - School of Health Related Professions
Department of Health Informatics
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