



SCHOOL OF PUBLIC HEALTH

University of Medicine & Dentistry of New Jersey

CERTIFICATE IN PUBLIC HEALTH PREPAREDNESS

This program is intended for:

- ▶ Health department employees;
- ▶ Those interested in careers in public health; and
- ▶ Health professionals interested in public health who may not be interested in enrolling in a full masters degree program.

Campus offering certificate:

- ▶ Piscataway/New Brunswick (P/NB)

Certificate program coordinator:

- ▶ George DiFerdinando, Jr., MD, MPH
Phone: (732) 235-9039

Admission requirements:

Applicants must have:

- ▶ Completed an accredited undergraduate program in the U.S. or its equivalent; and
- ▶ Demonstrated superior academic achievement in an appropriate discipline.

Applicants must submit:

- ▶ Application for Admission;
- ▶ Official Transcripts of all prior work;
- ▶ Letter of Intent, including statement of purpose for application to the program;
- ▶ Two (2) Letters of Recommendation; and
- ▶ Application Fee.

International applicants must submit:

- ▶ TOEFL scores and WES evaluations.

Note: The GRE is not required for this certificate program.

OFFERED BY THE
UMDNJ-SCHOOL OF PUBLIC HEALTH
THROUGH THE
NEW JERSEY CENTER FOR
PUBLIC HEALTH PREPAREDNESS
AT UMDNJ

Duration of certificate:

This 5-course, 15-credit program must be completed within two years.

Curriculum Requirements (15 credits):

- ▶ ENOH 0696¹ - Public Health Preparedness II: Emergency Management and Response (3 cr.)
- ▶ ENOH 0697¹ - Public Health Preparedness I: Agents of Mass Injury or Destruction (3 cr.)
- ▶ PHCO 0502^{2,3} - Principles and Methods of Epidemiology (3 cr.)
- ▶ PHCO 0503² - Introduction to Environmental Health (3 cr.)
- ▶ PHCO 0505² - Health Education and Behavioral Science in Public Health (3 cr.)

¹Piscataway/New Brunswick Campus only ²All three campuses ³Online

Competencies of Certificate Graduates:

Participants will learn essential public health preparedness competencies and, upon graduation, graduates will be able to:

- ▶ Demonstrate leadership in developing public health capabilities and programs designed to respond to natural hazards, industrial accidents and incidents (Weapons of Mass Destruction);
- ▶ Describe the main phases of an emergency response and key components of an "all hazards" public health emergency response system. Students will learn the importance of preparedness planning activities in terms of developing emergency response protocols and procedures;
- ▶ Analyze public health problems using a systems approach and review and discuss critically written health education materials;
- ▶ Identify public health and medical aspects of likely biological, chemical, and radiological agents/substances known collectively as WMD;
- ▶ Define legal and ethical issues surrounding a public health emergency response;
- ▶ Characterize target populations and describe the roles of tools that are used to analyze health impacts of environmental exposures, such as risk assessment, epidemiology, and industrial hygiene;
- ▶ Explain the main epidemiological study designs, their major strengths and weaknesses, describe the epidemiological approach to prevention and explain the usual steps in the investigation of an infectious disease outbreak; and
- ▶ Characterize specific environmental and occupational health problems, their causes and potential solutions.



Please visit us at <http://sph.umdj.edu>

for course descriptions
and schedules.

The UMDNJ-School of Public Health
is sponsored by the
University of Medicine and Dentistry of New Jersey
In cooperation with Rutgers, The State University of New Jersey
and
New Jersey Institute of Technology.