



## SCHOOL OF PUBLIC HEALTH

University of Medicine & Dentistry of New Jersey

# CERTIFICATE IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH

### This program is intended for:

- ▶ Employees of health departments;
- ▶ Clinicians;
- ▶ Health and safety specialists;
- ▶ Others working in the area of ENOH; and
- ▶ Individuals interested in learning about ENOH.

### Campus offering certificate:

- ▶ Piscataway/New Brunswick

### Certificate program coordinator:

- ▶ Junfeng (Jim) Zhang, PhD  
Phone: (732) 235-5405

### Admission requirements:

#### Applicants must have:

- ▶ Completed an accredited undergraduate program in the U.S. or its equivalent;
- ▶ Demonstrated superior academic achievement in an appropriate discipline;
- ▶ Completed introductory graduate courses in environmental health and in epidemiology (or the equivalent) as prerequisites to courses required for this certificate.

#### 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.

### Duration of Certificate:

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

### *Curriculum Requirements (15 credits):*

Students will complete five three credit courses:

- ▶ ENOH 0563 - Ecological Risk Assessment (3 cr.)
- ▶ ENOH 0594 - Environmental and Occupational Toxicology (3 cr.)
- ▶ ENOH 0652 - Environmental and Occupational Epidemiology (3 cr.)
- ▶ ENOH 0656 - Environmental Risk Assessment (3 cr.)
- ▶ ENOH 0699 - Principles of Industrial Hygiene (3 cr.)



### *Competencies of Certificate Graduates:*

Students will be introduced to the major public health competencies in ENOH: risk assessment, risk analysis, toxicology, industrial hygiene, and the causes and distribution of environmental and occupational disease.

Upon graduation, each graduate will be able to:

- ▶ Identify and apply the basic tools of risk assessment to environmental and occupational health problems;
- ▶ Describe the basic principles of dose response and the role of toxins in the environment as well as the effects of xenobiotics;
- ▶ Identify the basic principles of environmental disease prevention and intervention; and
- ▶ Identify the basic principle of health and safety management through industrial hygiene and administrative controls.



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  
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and  
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