

MPH CORE COURSES

PHCO 0501: Health Systems and Policy (3 cr)

Introduces students to the history, organization, financing, and regulation of medical and public health services in the United States. Special emphasis is placed on the social and behavioral factors that shape health, inequalities in health, and health services.

PHCO 0502: Principles and Methods of Epidemiology (3 cr)

Introduces students to the study of disease and ill health through their patterns of occurrence in human populations. Approaches to estimating the burden of disease, making inferences about cause of disease, and in evaluating primary, secondary, and tertiary prevention strategies are presented.

PHCO 0503: Introduction to Environmental Health (3 cr)

Explores the way in which particular characteristics of our environment impinge on health. Students examine health problems associated with chemical, physical, and biological agents; and how those agents impact food safety, infectious disease, air quality, water quality, and land resources in community and occupational settings.

PHCO 0504: Introduction to Biostatistics (3 cr)

Introduces students to biostatistical concepts and methods commonly encountered by public health professionals. Students are also expected to complete several computer-based exercises for this course.

PHCO 0505: Health Education and Behavioral Science in Public Health (3 cr)

Introduces students to learning and behavioral science principles, theories, and practices that provide the framework for the practice of health education.

APPLICATION REQUIREMENTS

Ernest Mario School of Pharmacy students interested in the dual PharmD/MPH degree program must have completed at least their first Professional Year, demonstrated both a mature attitude and superior academic achievement. Interested students should contact **Dr. Carol S. Goldin**, Associate Dean for Assessment, at csg@pharmacy.rutgers.edu to schedule an appointment to discuss their qualifications.

After taking at least two MPH core courses, EMSOP students may apply to the MPH program. Students should request an application from the SPH (see contact information below). Students must submit official transcripts of all prior work, an essay stating their career goals relevant to public health and two letters of recommendation, including one from their Rutgers advisor. GRE requirement is waived.

FOR MORE INFORMATION

At Ernest Mario School of Pharmacy

Carol S. Goldin, PhD

Associate Dean for Assessment

Telephone: (732) 445-2675 x613 Fax: (732) 445-5767
csg@pharmacy.rutgers.edu

The Ernest Mario School of Pharmacy's Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 135 S. LaSalle, Suite 4100, Chicago, IL 60603-4810 Telephone (312) 664-3575, Fax (312) 664-4652, www.acpeaccredit.org.

At UMDNJ-School of Public Health

Kitaw Demissie, MD, PhD, MPH

Associate Professor and Chair

Department of Epidemiology

Telephone: (732) 235-4854 Fax: (732) 235-5418
demisski@umdnj.edu

The UMDNJ-School of Public Health is accredited by the Council on Education for Public Health, 800 Eye Street, NW, Suite 202, Washington, DC 20001-3701 Telephone (202) 789-1050, Fax (202) 789-1895, www.ceph.org.

RUTGERS
Ernest Mario School
of Pharmacy

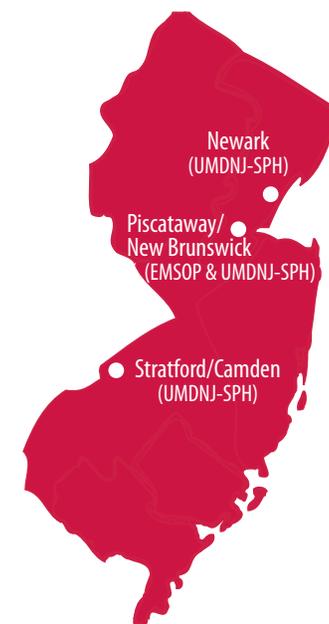
UMDNJ
SCHOOL OF
PUBLIC HEALTH
University of Medicine & Dentistry of New Jersey



PharmD/MPH Dual Degree Program

with Ernest Mario School of
Pharmacy at Rutgers, The State
University of New Jersey
and
University of Medicine and
Dentistry of New Jersey-
School of Public Health

★
[pharmacy.
rutgers.edu](http://pharmacy.rutgers.edu)
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sph.umdj.edu
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**Your Partners
for Success**

PharmD/ Master of Public Health Degree



The Rutgers Ernest Mario School of Pharmacy (EMSOP) and the University of Medicine and Dentistry of New Jersey-School of Public Health (SPH) have developed a dual PharmD/ MPH degree program that combines their educational strengths. PharmD/MPH graduates will have in-depth complementary training as pharmacists and public health experts. Graduates will build on their pharmacy training with a sound understanding of public health fields, such as organization of health services, pharmacoepidemiology, healthcare policy, biostatistics and environmental health.

The PharmD/MPH is available only for select, highly-qualified PharmD candidates in EMSOP. The program provides EMSOP students with a pathway to complete both the PharmD and the MPH in less time than it would take to complete both degrees sequentially. Students will continue full-time study in the PharmD program and graduate on time with their classmates. However, by taking select MPH core courses while in the PharmD program, these students will be able to complete the MPH with approximately one year of full-time study or two years of part-time study, immediately following the completion of the PharmD degree.

MPH DEGREE REQUIREMENTS

The MPH degree program at the UMDNJ-School of Public Health requires 45 credit hours.

MPH Degree Requirements	
Core Courses	15 credit hours
Required Department Courses	9-15 credit hours*
Electives	9-12 credit hours*
Fieldwork	6 credit hours
Total	45 credit hours

*varies by department

A Head Start on the MPH Degree

To take full advantage of the dual degree program, PharmD students, starting after the first professional year, will take the five required MPH core courses while they are still in the PharmD program. Two of the MPH core courses (excluding PHCO 0503) will serve as substitutes for two pharmacy professional electives. The remaining three required core courses will be taken in addition to courses required for the PharmD. MPH core courses are offered in the evening or late afternoon during Fall and Spring semesters. Some are also offered in the summer or online. (MPH core courses may not be taken during the fourth professional year in the PharmD program, since students will have to complete eight five-week advanced pharmacy practice rotations.)

Dual degree students will be given six credits of advanced standing in the MPH program for their PharmD coursework in the biological sciences and three credits for one more PharmD course (selection of course to be transferred depends on MPH track). Dual degree students will apply to the SPH during the fourth professional year in the PharmD program

SPH PISCATAWAY/ NEW BRUNSWICK DEPARTMENTS



- **Biostatistics**
The development and application of statistical reasoning and methods.
- **Environmental and Occupational Health**
The study of environmental and occupational factors that affect communities or workplaces.
- **Epidemiology**
The study of patterns of disease and injury in human populations and its application to the control of health problems.
- **Health Education and Behavioral Science**
Addresses the behavioral, social and cultural factors related to individual and population health and health disparities over the life course.
- **Health Systems and Policy**
Examines the delivery, quality and costs of health care for individuals and populations.

SPH NEWARK DEPARTMENTS



- **Dental Public Health**
Designed to develop skilled and committed dental health professionals equipped with a broad knowledge of health problems and health delivery.
- **Quantitative Methods**
Develop quantitative, analytical and research skills. An emphasis in either biostatistics or epidemiology is offered.
- **Urban Health Administration**
Learn to provide leadership in the development, implementation, management and evaluation of organizations and programs that address the public health needs of urban and disadvantaged populations.

SPH STRATFORD/CAMDEN DEPARTMENTS



- **Health Systems and Policy**
Examines the delivery, quality and costs of health care for individuals and populations.