

## ACCREDITATION

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The graduate programs at USUHS are fully accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools. The graduate programs in the Department of Preventive Medicine and Biometrics are also accredited by the Council on Education for Public Health. Given its recent initiation, efforts are underway for obtaining accreditation specific to the ergonomics training for the concentration.

The Uniformed Services University of the Health Sciences (USUHS) was established by Congress in 1972 and was authorized to develop advanced degree programs in the various health sciences with a priority on preparing qualified individuals for careers as medical officers in the Uniformed Services.

Located on the grounds of the National Naval Medical Center in Bethesda, Maryland, the Nation's Federal health sciences educational facility is committed to excellence in military medicine and public health during both peacetime and war, fulfilling a unique mission among U.S. schools of medicine.



Within the University's F. Edward Hébert School of Medicine is the Department of Preventive Medicine and Biometrics. The mission of the Department's Graduate Programs in Public Health is to produce knowledgeable and highly skilled public health professionals in support of the health and global missions of the Uniformed Services.

**For information about the concentration:**

COL Mary Lopez, Ph.D., CPE  
Assistant Professor/Program Co-Director  
Phone: 410-436-3928  
E-mail: mary.lopez1@us.army.mil

CPT Colleen Daniels, MPH  
Assistant Professor/Program Co-Director  
Phone: 410-436-7665  
E-mail: colleen.daniels@us.army.mil

**For a graduate program application:**

Janet Anastasi  
Graduate Education Office  
Phone: 800-772-1747 (toll free)  
301-295-391  
E-mail: janastasi@usuhs.mil

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Please also see our Web site at:  
<http://www.usuhs.mil>

# OCCUPATIONAL ERGONOMICS

Department of  
Preventive Medicine  
and Biometrics



Uniformed Services  
University of the  
Health Sciences

Bethesda, Maryland



## Occupational Ergonomics Concentration

In the Fall 2001, the Occupational Ergonomics Concentration was initiated within the Masters of Public Health (MPH) Program at the Uniformed Services University of the Health Sciences (USUHS). Its mission is to provide specialty training for officers in all service branches in the critical areas of injury prevention and occupational ergonomics, and focuses on training students to address the public health concerns raised by workplace injuries and associated costs.

### TRAINING

This specialty track provides students with the fundamental concepts and principles of human factors engineering and occupational ergonomics to function effectively as ergonomics officers in the Uniformed Services.

Graduates of this specialty track will be able to apply technical skills in the assessment, prevention, control and management of workplace injuries and illnesses such as work-related musculoskeletal disorders, disease non-battle injuries (DNBI), garrison, and field and training injuries in military and civilian settings when applicable.

Training of students in this concentration is a joint effort between the Department of Preventive Medicine and Biometrics, the Department of Medical and Clinical Psychology, and USACHPPM. Additionally, as part of its overall mission, courses and research offered within the concentration are provided to students in various related graduate degree programs at USUHS. Through these cooperative arrangements, students are provided with a range of academic and practical experiences.

### COURSEWORK

In addition to the core courses and requirements for the MPH degree, the specialty track offers coursework in:

- Occupational Ergonomics
- Human Factors Engineering
- Safety Engineering
- Work Analysis Methods
- Injury Prevention



### RESEARCH

Required independent projects can be conducted in conjunction with ongoing research at the Center for Ergonomics and Workplace Health at USUHS and the Ergonomics Program at USACHPPM.



### MASTERS OF PUBLIC HEALTH PROGRAM

The goal of the MPH program is to provide each student with the necessary academic background to practice as a competent public health or preventive medicine officer in one of the Uniformed Services.

Graduates will use their acquired strong quantitative and analytical skills in biostatistics and epidemiology to identify and measure community health needs and to investigate the impact of biological, environmental, and behavioral factors on community health. They will understand components, operation, and financing of health delivery services, particularly those in the public sector, and have the administrative skills to plan, analyze, and manage community health programs for the Uniformed Services.

Graduates of the Occupational Ergonomics Concentration will have completed required and elective coursework and demonstrated the ability to apply the knowledge and skills acquired in the field.