

**TUSKEGEE UNIVERSITY
COLLEGE OF VETERINARY MEDICINE, NURSING AND ALLIED HEALTH
GRADUATE PUBLIC HEALTH PROGRAM (GPHP)**

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Degree Offered: **(1) Master of Public Health (MPH)**

 (2) Master of Science in Public Health (MSPH)

* For additional information please refer to the Graduate Handbook

The Master of Public Health (MPH) and the Master of Science in Public Health (MSPH) degrees offered in the Graduate Public Health Program at Tuskegee University are often considered to be equivalent. At Tuskegee University, they are also similar public health degrees with the simple distinction that the MPH is a professional degree that will be favorable to the health care practitioner and/or in administrative public health. The MSPH is an academic degree program that interests graduates who seek to expand their public health career with transition into further advanced studies such as is applicable in the pursuit of the PhD degree.

Admission Requirements:

Applications must have completed the B.S. degree from an approved college or university.

Applicants must have a Cumulative GPA of 3.0 or better

A Completed Online Application and Application Fee

An Official Transcripts from all colleges/universities (International Students must have transcripts through World Education Services-WES)

WRE Scores at least 540 (old) or 156 (new), less than 5 years old

A Personal Statement

3 Recommendation Letters

Resume or Curriculum

*ETS/WES Scores (International students only)

Graduation Requirements:

Core Courses: 21 credit hours

Elective Courses: 22 credit hours

Research/Thesis: 6 credit hours

Admission to Candidacy

Passing of the Final Oral Examination or satisfactory completion of the Practicum

Advisory Committee:

During the first semester of his/her study in the MPH and MSPH degree program, the student and his/her Major Professor must recommend to the Director of the program, for approval, an Advisory Committee consisting of a minimum of four members including the Major Professor and the Director. The Advisory Committee shall also serve as the Examination Committee.

Core Courses (24 credit hours)

| Course Number | Course | Credit |
|----------------------|--|---------------|
| MBIO 0660 | Biomedical Statistics | 3 |
| MSPH 0614 | Principles of Epidemiology | 3 |
| MSPH 0600 | Environmental Health Sciences | 3 |
| MSPH 0610 | Psychosocial Determinants of Health | 3 |
| MSPH 0605 | Introduction to Health Administration, Policy and Law Health | 3 |
| MSPH 0615 | Disparities/Inequities | 3 |
| MBIO 0700 | Research Thesis/Practicum | 6 |

Elective Courses

| Course Number | Course | Credit |
|----------------------|---------------|---------------|
| MBIO 0660 | | |
| MSPH 0600 | | |
| MSPH 0610 | | |
| MSPH 0605 | | |
| MSPH 0615 | | |
| MBIO 0700 | | |
| MSPH 626 | | |
| IBSC 0601 | | |
| MBIO 0600 | | |

Thesis:

The final draft of the thesis/dissertation in the case of the Thesis option must be filed with the student's Advisory Committee at least 30 days before the date listed in the university calendar for final copies to be submitted, and during the semester in which the student expects to graduate. The student must present to the Dean of Graduate Programs a "Preliminary Approval Sheet" (PAS) bearing the signature of the Major Professor before the final oral examination may be scheduled and before copies of the thesis/dissertation are distributed to members of the Examining Committee.

After the "Preliminary Approval Sheet" has been signed, it should be submitted to the Dean of Graduate Studies and Research before the final examination is scheduled and before the final draft of the thesis/dissertation is prepared for final approval. Approval of the thesis/dissertation in its final form rests with the Examining Committee.

Synopsis of Courses Taught in the MPH and MSPH Program

MSPH 0600. GRADUATE RESEARCH SEMINAR I. 1st Semester and Summer. Lect. 2, Lab 0, 2 credit. This course includes practical examples of proper conduct of research, issues with copy right violation, plagiarism, interpretation of published work among other academic requirements including discussions on basic research methods, and a review of current research topics. Oral presentations are and/or reports are required

MSPH 0601. GRADUATE RESEARCH SEMINAR II. 2nd Semester and Summer. Lect. 2, Lab 0, 2 credit. This course is a continuation of MBIO 600, and includes a review of current research topics. Oral presentations are required.

MSPH 0614. PRICIPLES OF EPIDEMIOLOGY. 1st Semester, Lect. 3, 3 credits. In this course, basic epidemiologic principles and methods as the pillars of public health will be emphasized. Test systems will be used in the prevention and control of diseases in populations. The full range of disease occurrence, including genetic and environmental causes for both infectious and non-infectious diseases will be covered. Students will be introduced to the theory, methods and body of knowledge of epidemiology and its basic principles and applications.

MSPH 0626 PUBLIC HEALTH. 2nd Semester, Lect. 2, Lab 0, 3 credits. This course provides students with basic and current insights into food safety, foodborne illnesses, and zoonotic diseases, and basic operation of municipal drinking and waste water treatment plants. Students will also be exposed to the emerging exotic diseases of animals and the Veterinary Information Network with in-class discussions, gaining exposure also to real-life public health issues via interaction with state and federal public health professionals, while learning to address public health-related community issues through classroom discussion.

MBIO 0660. BIOMEDICAL STATISTICS. 1st Semester. Lect. 3, Lab 0, 3 credits. The conceptual and theoretical basis of biomedical research design is examined. Appropriate statistical methods which correspond to and are consistent with the biomedical research design will be studied. These include both parametric and nonparametric methods. Descriptive statistics, probability distributions, comparative statistics (t test, ANOVA) and causal analysis (chi square, regression and other multivariate techniques) will

be covered with emphasis on inferential aspects of statistics and on the interpretation of results which would be rational and meaningful in biomedicine. Students will be exposed to the use of manual computational methods followed by the use of computerized statistical package for data analysis.

MBIO 0661. ADVANCED EPIDEMIOLOGY. 2nd Semester (alternate years). Lect. 3, Lab 0, 3 credits. This course will build upon the introductory course in Epidemiology (MBIO 0614). It will emphasize the analysis (both qualitative and quantitative) of the dynamics of health/ill health processes and interactions in populations, systematically. Retrospective and prospective studies, the use of epidemiologic models (both static and dynamic) and systems analysis techniques and other problem solving tools in analytical epidemiology will be presented and applied to selected cases. Independent study and developing a research paper on a selected epidemiologic topic will be encouraged.

IBS 0601: SPHERES of ETHICS and PUBLIC HEALTH

MSPH 0600. ENVIRONMENTAL HEALTH SCIENCES, 2nd Semester. Lect. 3, 3 credits.

MSPH 0605. INTRODUCTION TO HEALTH ADMINISTRATION, POLICY AND LAW, 1st Semester. Lect. 3, 3 credits.

MSPH 0610. PSYCHOSOCIAL DETERMINANTS OF HEALTH, 1st Semester. Lect. 3, 3 credits.

MSPH 0615. HEALTH DISPARITIES/INEQUITIES, 1st Semester. Lect. 3, 3 credits.

