**Public Health program**

**Master of Science in Public Health (M.S.P.H.) Degree**

**DEGREE INFORMATION**

**Program Admission Deadlines:**

Domestic Applicants:

Fall: May 1\*

Spring: August 1

Summer: November 15

International Applicants:

Fall: May 1\*

Spring August 1
Summer: November 15

*\* Global Communicable Disease and Genetic Counseling admits in fall term only.*

**Minimum Total Hours:** 42

**Program Level:** Masters

**CIP Code:** 51.2299

**Dept Code:** DEA

**Program (Major/College):** MSP PH

**Approved** 2002

**Concentrations and total hours for the Program with that concentration:**

Behavioral Health (PBH) – 44

Bioinformatics (PBF) – 42 -

Biostatistics (PBC) – 45

Environmental Health (PEH) – 42

Epidemiology (PEY) – 48

Genetic Counseling (MGC) - 42

Global Communicable Disease (PGD) – 42

Industrial Hygiene (PIH) – 47

International Public Health Research, Policy and Planning (PIP) – 42

Maternal and Child Health (PMH) – 44

Occupational Health (POH)[[1]](#footnote-1) – 46

Occupational Medicine Residency (POM) – 46

Occupational Safety (POS) – 46

Public Health Education (PPD) – 44

Socio-Health Sciences (PSH) – 44

Toxicology and Risk Assessment (PTX) – 44

**CONTACT INFORMATION**

**College:** Public Health

**Contact Information:** [www.grad.usf.edu](http://www.grad.usf.edu/)

**PROGRAM INFORMATION**

**Program Information**

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social Sciences and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

The College’s five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. Public Health Practice is a college-wide program. Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificate programs, and a professional M.P.H. for experienced Health Care professionals.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Applied Science Accreditation Commission of ABET, [http://www.abet.org](http://www.abet.org/)..

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

All Applicants must take the Graduate Record Exam (except as noted below) or an equivalent taken within five years preceding application unless noted as exceptions and must meet the following criteria:

* Shall have earned an undergraduate degree from an accredited institution;
* Shall have earned a "B" average (3.00 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; AND
* Prefer Graduate Record Exam (GRE) minimums of 44th Verbal percentile, 25th Quantitative percentile.\*\*
* In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the M.S.P.H.
* An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required. The Department of Epidemiology and Biostatistics and the Department of Health Policy and Management do not accept MCAT scores for M.S.P.H. degrees.

Meeting of these criteria per se shall not be the only basis for admission.

\*\* NOTE: Some Concentrations may prefer higher GRE subscores.

**DEGREE PROGRAM REQUIREMENTS**

**Total Minimum Program Hours: 42 credit hours**

Core Requirements – 1 hour

Foundation Requirements – 8 hours minimum

Concentration Course Requirements – 27 hours (varies by concentration, includes research courses and electives)

Thesis – 6 hours minimum

**Program Core Course – 1 hour**

PHC 6600 1 History and Systems of Public Health

**Foundation Courses – 8 hours minimum**Choose appropriate track:

Track 1 (9 hours)

PHC 6000 3 Epidemiology

PHC 6050 3 Biostatistics I\*

Choose one:

PHC 6357 3 Environmental and Occupational Health

PHC 6102 3 Principles of Health Policy and Management

PHC 6410 3 Social and Behavioral Sciences Applied to Health

Track 2 (8 hours)

PHC 6080 5 Population Assessment I

PHC 6082 3 Population Assessment II

\*Students in the Biostatistics M.S.P.H. program who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6445: Fundamentals of Probability" instead of "PHC 6050: Biostatistics I". However, if a student does not have this prior training in introductory statistics coursework then she/he can take both PHC 6050 Biostatistics I and PHC 6445 Fundamentals of Probability. Some concentrations require completion of all five core courses – see the specific concentration of interest for information.

**Concentrations – 27 credit hours minimum (including Research Hours and Electives)**

Students select from one of the concentrations listed on the following pages. The Concentration section includes Concentration Course Requirements, any required Research courses, Electives, and any concentration specific requirements for the Comprehensive Exam.

 **Research Courses**

S*pecific course requirements are listed with the Concentration. Industrial Hygiene and Occupational Medicine Residency are practice-based and do not have specific research hours required.*

 **Electives**

 *Elective options are listed with the Concentration*.

**Thesis – 6 credit hours**

PHC 6971 6 Thesis

**Comprehensive Exam**

Must be registered for at least 2 credit hours of coursework. Thesis proposal defense may be used in lieu of the comprehensive exam.

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**MSPH in Public Health CONCENTRATION OPTIONS**

Students select from the Concentrations listed on the following pages.

**BEHAVIORAL HEALTH (PBH)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisite: None
* Suggested/preferred undergraduate majors: Social or Behavioral Sciences, International Studies, Women Studies, Public Health, Regional Studies (i.e., Latin America and Caribbean) and Health Sciences.
* Prerequisite undergraduate courses: None

• Work experience: some public health experience preferred but not required

• • GRE preferred minimum: 58th Verbal percentile, 25th quantitative percentile

• Three letters of recommendation from academic and/orrelated professional sources, goal statement

**Total Program Requirements with this concentration - 44 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 12 credit hours

Research Courses – 9 credit hours

Electives – 8 credit hours

**Concentration Course Requirements – 12 credit hours**

Required Specialization Area Courses: Courses depend on the area of specialization.

**Research Courses – 9 credit hours**

PHC 6051 3 Biostatistics II

Two Research Methods courses as determined by advisory committee

**Elective Courses – 8 credit hours**

Examples of common options are:

ANG 6469 3 Selected Topics in Medical Anthropology

PHC 6536 3 Population and Community Health

PHC 6411 3 Introduction to Social Marketing for Public Health

PHC 6708 3 Evaluation Methods in Community Health

**Comprehensive Exam**

Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**BIOINFORMATICS (PBF)**

**Total Program Requirements with this concentration - 42 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 27 credit hours

Research Courses – 9 credit hours

Comprehensive Exam

**BIOSTATISTICS (PBC)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Biostatistics course prerequisites:
* MAC 2311 3 Calculus I
* MAC 1105 3 College Algebra
* Knowledge of Computer and SAS programming
* Or an equivalent course is required.
* Suggested/preferred undergraduate majors: Mathematics, statistics, computer sciences, natural sciences, biological sciences, medical sciences, environmental sciences, management information systems.
* Prerequisite undergraduate courses: Linear algebra, calculus, computer skills (e.g. operating system, internet, word processing, spread sheet)
* Work experience: Prior work experience is preferred, but not required.
* GRE preferred minimum: 44th verbal percentile, 33rd quantitative percentile
* Other criteria: Academic background, goal statement, student's academic interests, references and availability of faculty and facility resources are also considered as part of the entrance evaluation.

**Total Program Requirements with this concentration – 45 hours minimum**

In addition to the 15\* hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 12 credit hours

Research Courses – 9 credit hours

Electives – 9 credit hours

\*Students who have previously taken introductory statistics courses and have strong mathmatical background must take the more advanced level biostatistics course “PHC 6445: Fundamentals of Probability” instead of “PHC 6050: Biostatistics I”. However, if a student does not have this prior training in introductory statistics coursework then she/he must take both PHC 6050 Biostatistics I and PHC 6445 Fundamentals of Probability.

**Concentration Course Requirements – 12 credit hours**

PHC 6010 3 Epidemiology Methods I

PHC 6060 3 Biostatistical Case Studies and Collaboration I

PHC 6020 3 Design and Conduct of Clinical Trials
PHC 6057 3 Biostatistical Inference I

**Research Courses – 9 credit hours**

PHC 6051 3 Biostatistics II

PHC 6053 3 Categorical Data Analysis

HSC 6055 3 Survival Analysis

**Elective Courses – 9 credit hours**

Examples of common elective options:

HSC 6056 3 Survey Sampling Methods in Health Sciences

PHC 7053 3 Generalized Linear Models

PHC 7056 3 Longitudinal Data Analysis

STA 6746 3 Multivariate Analysis

PHC 6934 3 Bayesian Data Analysis

PHC 6934 3 Multilevel Data Analysis

PHC 6934 1 Base Programming in SAS

PHC 6934 2 Advanced Programming in SAS

HSC 6054 3 Design and Analysis of Experiements for Health Researchers

PHC 6907 1-6 Independent Study

**Comprehensive Exam**

Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**ENVIRONMENTAL HEALTH (PEH)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisites:
* PHC 4101 Introduction to Public Health and
* HSC 4551 Survey of Human Disease, or equivalent courses or experience.
* Suggested/preferred undergraduate majors: biological, physical or chemical science; military science; engineering; nursing or medicine; environmental health and technology; environmental science and policy.
* Prerequisite undergraduate courses: introductory college-level algebra, chemistry, and biology (or related course); calculus and organic chemistry preferred.
* Work experience: None required.
* GRE Score may be substituted with an MCAT Score averaging eight or higher.
* International applicants from non English-speaking countries must provide a minimum TOEFL score of 213 (computer-based test) or 550 (written test),taken within 2 years of the desired term of entry.

**Total Program Requirements with this concentration – 42 credit hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 15 credit hours

Research Courses – 9 credit hours

Electives – 9 credit hours

**Concentration Course Requirements – 15 credit hours**

PHC 6301 3 Water Pollution and Treatment

PHC 6310 3 Environmental Occupational Toxicology

PHC 6303 3 Community Air Pollution

PHC 6512 3 Vectors of Human Disease

PHC 6356 2 Industrial Hygiene (*or approved course*)

PHC 6930 1 Public Health Seminar

**Research Courses – 3 credit hours**

PHC 6051 3 Biostatistics II

**Elective Courses – 9 credit hours**

Examples of Electives Related to Environmental Health:

PHC 6701 3 Computer Applications for Public Health Researchers

PHC 6510 3 Exotic and Emerging Infectious Diseases

PHC 6934 3 Selected Topics: Water Resources Management Principles

PHC 6353 3 Environmental Toxicology and Risk Assessment

PHC 6313 3 Indoor Environmental Quality

PHC 6934 1 Selected Topics: Water & Wastewater Analysis Laboratory

**Comprehensive Exam**

Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**EPIDEMIOLOGY (PEY)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

• Public health course prerequisites:

 For students who lack training in public health or biological/life sciences

• HSC 4551 Survey of Human Disease

• PHC 4101 Introduction to Public Health

• Suggested/preferred undergraduate majors: Public health, social sciences, natural sciences, biology, nursing, medicine, dentistry, veterinary medicine, pharmacology, gerontology, allied health professions, environmental health, management information systems, mathematics, statistics, computer sciences.

• Prerequisite undergraduate courses: college algebra, basic computerskills (e.g. operating system, internet, word processing, spread sheet), human structure and function, human health biology or equivalent. Calculus is strongly recommended.

• Work experience: Prior work experience is preferred, but not required.

• Minimum undergrad GPA: 3.0 on a 4 point scale in the upper division coursework.

• GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile.

• Other criteria: Academic background, goal statement, student’s academic interest, references and

 availability of faculty and facility resources also are considered part of the entrance evaluation.

**Total Program Requirements with this concentration 48 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 15 credit hours

Research Courses – 9 credit hours

Electives – 9 credit hours

**Concentration Course Requirements – 15 credit hours minimum**

PHC 6701 3 Computer Applications for Public Health Researchers (CI)

PHC 6051 3 Biostatistics II (PR: PHC 6000, 6050, or CI)

PHC 6010 3 Epidemiology Methods I (PR: PHC 6000 or CI)

PHC 6053 3 Categorical Data Analysis

PHC 7935 3 Special Topics: Intermediate SAS (PR: PHC 6010, 6011, 6050, 6051, or CI)

**Research Courses – 9 credit hours**

PHC 7703 3 Advanced Research Methods in Epidemiology (PR: PHC 6010, 6011, 60501, 6051, or CI)

HSC 6055 3 Survival Analysis

PHC 6011 3 Epidemiology Methods II (PR: PHC 6000, 6010 or CI)

**Elective Courses – 9 credit hours**

Two courses in Disease Epidemiology (6 hours)

One additional departmental elective (3 hours)

**Comprehensive Exam**

Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**GENETIC COUNSELING (MGC)**

**Program Information**

This Master's degree program is a unique combination of public health, medical genetics/genomics and clinical training in patient centered medicine that provides the technology and counseling training to compete in the rapidly emerging fields of precision medicine.

Graduates of this program will have job opportunities in clinical genetic counseling practice, public health genetics/genomics, industry and academic genomics research.  The program curriculum and clinical rotation requirements meet or exceed the required competencies and standards needed to apply for and achieve program accreditation from the Accreditation Council for Genetic Counseling (ACGC).  Accreditation of the MSPH program will be sought in 2016.

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health, applicants should also meet these concentration prerequisites:

* Suggested/Preferred Undergraduate Majors: We encourage applicants from any undergraduate major, however the following undergraduate courses/experiences are preferred for the MSPH Genetic Counseling program:
	+ - 1-2 semesters of biology (this would include any molecular biology course)
		- 1 semester of statistics
		- 1 semester of genetics
		- Prior counseling or advocacy experience: Work or volunteer experience(s) in a counseling or advocacy setting is not required, although this will be considered in applications to the program. A few examples include: peer counseling, crisis hotlines, a pregnancy counseling center, or working with individuals who have a genetic condition or disability.
* Minimum undergraduate GPA 3.0.
* GRE minimum: 50th percentile in verbal and quantitative or equivalent.
* Substitutions: Applicants may substitute an MCAT mean score of 8 for the required GRE scores.
* Special Admission Requirements
	+ - This concentration area only admits students during fall semester
		- Previous experience in counseling, advocacy, or genetic counseling settings would be advantageous
		- Three letters of recommendation from academic and/or related professional sources.

**Total Program Requirements with this concentration - 42 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis/practice-based clinical research, this Concentration requires:

Concentration Course Requirements – 24 credit hours

Research Courses – 3 credit hours

**Concentration Course Requirements – 24 credit hours**

Required Concentration Courses

PHC 6030 1 Introduction to Genetic Counseling

PHC 6432 3 Patient Centered Communication and Professionalism

PHC 6570 3 Human Genetics/Genomics in Medicine and Public Health

PHC 6434 3 Health Education and Counseling

GMS 6604 3 Embryology

GMS 6520 3 Applied Clinical Genetics

GMS 6521 1 Clinical Genetics Case Conference

PHC 6438 1 Profesional Development in Genetic Counseling

PHC 6572 3 Quantitative Genetics and Genomics

PHC 6574 3 min Practice Based Clinical Research

**Research Courses – 3 credit hours**

PHC 6911 1 Clinical Research I

PHC 6913 1 Clinical Research II

PHC 6915 1 Clinical Research III

**Comprehensive Exam**

Must be registered for at least 2 credit hours of coursework. Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**GLOBAL COMMUNICABLE DISEASE (PGD)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Pre-requisites: HSC 4551 Survey of Human Diseases (3) OR Equivalent education or work experience
* Suggested/Preferred undergraduate majors: Biology, Zoology, Microbiology, Immunology
* Prerequisites undergraduate courses: None; Suggested undergraduate courses include general chemistry with laboratory, biology or zoology with laboratory, micorbiology with laboratory, biochemistry with laboratory, immunology
* Work Experience: None GRE preferred minimum: 44th verbal percentile, 39th quantitative percentile.Other criteria: International applicants: TOEFL of 550 for paper-based instrument or 213 for computer-based instrument
* Substitutions: Applicants may substitute an MCAT mean score of 8 for the required GRE scores.
* Special Admission Requirements
	+ - This Concentration area only admits students during fall semester
		- Preference for admission is given to students with a background or demonstrated skills in the biological sciences. Prerequisites may be required.
		- Previous research experience would be advantageous
		- A short statement (250 words or less) of research interestis require

**Total Program Requirements with this concentration - 42 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 18 credit hours

Research Courses – 9 credit hours

**Concentration Course Requirements – 18 credit hours**

Suggested Concentration Courses

PHC 6002 3 Infectious Disease Epidemiology

PHC 6251 3 Disease Surveillance and Monitoring

PHC 6314 3 Infection Control Program Design

PHC 6510 3 Exotic and Emerging Infectious Diseases

PHC 6511 3 Public Health Immunology

PHC 6512 3 Vectors of Human Disease

PHC 6513 3 Public Health Parasitology

PHC 6514 3 Infectious Disease Control in Developing Countries

PHC 6517 3 Infectious Disease Prevention Strategies

PHC 6562 3 Microbiology for Healthcare Workers

PHC 6930 1-3 Public Health Seminar

PHC 6934 1-6 Selected Topics: HIV in Public Health

PHC 6934 1-6 Selected Topics: Intermediate Infectious Disease Epidemiology

PHC 6515 1-6 Food Safety

PHC 6037 3 Public Health Virology

PHC 7931 1-3 Adv Interdisciplinary Seminar in PH: Global Health Infectious Disease Research

**Research Courses – 9 credit hours**

PHC 6051 3 Biostatistics II

PHC 6561 3 Laboratory Techniques in Public Health

PHC 6722 3 Laboratory Rotations in Global Health Research

**Comprehensive Exam**

Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**INDUSTRIAL HYGIENE (PIH)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

• Public health course prerequisites: None

• Suggested/preferred undergraduate majors: Science or engineering.

• Prerequisite undergraduate courses:No specific courses, however 63 credit hours of science,

 mathematics, engineering and technology with at least 15 credit hours in upper division classes.

• Work experience: None required; however, occupational health related work experience is beneficial.

• Minimum undergraduate GPA: Upper division GPA 3.0

• Other criteria: Three letters of recommendation.

**Total Program Requirements with this concentration – 48 hours minimum**

Students in this concentration must select track 1 foundation courses. In addition to the 16 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Additional Required Foundation Courses – 6 credit hours

Concentration Course Requirements – 11 credit hours

Research Courses – 9 credit hours

Elective courses – 5 credit hours

Culminating Experience – 1 credit hour minimum

**Additional Required Foundation Courses – 6 credit hours**

Students must complete the following courses in addition to the Program Foundation Requirements:

PHC 6102 3 Principles of Health Policy and Management

PHC 6357 3 Environmental and Occupational Health

PHC 6410 3 Social and Behavioral Sciences Applied to Health

**Concentration Course Requirements – 20 credit hours\***

PHC 6356 2 Industrial Hygiene (PR: CI)

PHC 6358C 2 Physical Agents – Assessment and Control (PR: CI)

PHC 6310 3 Environmental Occupational Toxicology (PR: CI)

PHC 6361 2 Industrial Ergonomics (PR: CI)

PHC 6365C 2 Analytical Methods in Industrial Hygiene I (PR: CI)

PHC 6366C 2 Analytical Methods in Industrial Hygiene II (PR: CI)

PHC 6423 2 Occupational Health Law (PR: PHC 6357 or CI)

PHC 6360 2 Safety Management Principles and Practices (PR: CI)

PHC 6362 2 Industrial Ventilation (PR: PHC 6356 or CI)

PHC 6930 1 Public Health Seminar

\*Because this is a practice program, Biostatistics II is not required

**Elective Courses – 5 credit hours**

Examples of electives:

PHC 6303 3 Community Air Pollution

PHC 6350 3 Occupational Toxicology and Risk Assessment

PHC 6351 3 Occupational Medicine for Health Professionals

PHC 6422 2 Environmental Health Law

PHC 6364 2 Industrial Hygiene Aspects of Plant Operations

PHC 6313 3 Indoor Environmental Quality

PHC 6306 2 Radiation Health Principles

EIN 6216 3 Occupational Safety Engineering

PHC 7935 2 Special Topics: Biological Monitoring in Environmental Health

PHC 7368 2 Aerosol Technology in Industrial Hygiene

EIN 6215 3 Engineering System Safety

PHC 7317 2 Risk Communication in Public Health

PHC 7935 2 Special Topics: Physiology Topics for Environmental and Occupational Health Professionals

PHC 6369 2 Industrial Toxicology

PHC 6354 2 Safety and Health Administration

PHC 6051 3 Biostatistics II (Because this is a practice degree, Biostatistics II is not required)

**Culminating Experience – 1 credit hour minimum**

PHC 6945 1-12 Supervised Field Experience

* Students with little or no professional experience: 3 hours minimum
* Students with relevant professional experience (Full-time employment in the industrial hygiene field for a minimum of 1 year, or equivalent part-time experience): 1 hours minimum

**Comprehensive Exam**

This concentration requires a concentration-specific comprehensive examination.

All students in the Industrial Hygiene concentration must take the concentration-specific comprehensive examination. However, students may elect to be exempt from this requirement upon demonstration of successfully passing one of the following:

 • American Board of Industrial Hygiene’s certification exam (CIH)

 • Board of Certification for Safety Professionals (CSP core exam)

Students must provide evidence of having attained one of these certifications and request and receive written approval to be exempted from the concentration-specific examination from the student’s advisor and the depatment chair.

**INTERNATIONAL PUBLIC HEALTH RESEARCH, POLICY AND PLANNING (PIP)**

**Total Program Requirements with this concentration – 42 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 6 credit hours

Research Courses – 9 credit hours

Elective courses – 11 credit hours

Culminating Experience – 1 credit hour minimum

**Concentration Course Requirements – 6 credit hours**

PHC 6110 3 International Health and Health Care Systems (web)

PHC 6146 3 Health Services Planning and Evaluation (web)

**Research Courses – 9 credit hours**

PHC 6701 3 Computer Applications for Public Health Researchers

PHC 6934 3 Selected Topics: Ecology and Health

PHC 6051 3 Biostatistics II

**Elective Courses – 11 credit hours**

**Culminating Experience – 1 credit hour**

Interdisicplinary Research Seminar – 1 hour

**Comprehensive Exam**

**MATERNAL AND CHILD HEALTH** **(PMH)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisite: None
* Suggested/preferred undergraduate majors: Social or Behavioral Sciences, International Studies, Women Studies, Public Health, Regional Studies (i.e., Latin America and Caribbean) and Health Sciences.
* Prerequisite undergraduate courses: None
* Work experience: some public health experience preferred but not required
	+ GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile.
	+ Three letters of recommendation from academic and/or related professional sources,  goal statement

**Total Program Requirements with this concentration – 44 hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 12 credit hours

Research Courses – 9 credit hours

Elective courses – 8 credit hours

**Concentration Course Requirements – 12 credit hours**

Required Specialization Area Courses: Courses depend on the area of specialization.

**Research Courses – 9 credit hours**

PHC 6051 3 Biostatistics II

*6 hours of other research courses selected by the student and committee.*

**Elective Courses – 8 credit hours**

Examples of common electives are:

ANG 6469 3 Selected Topics in Medical Anthropology

PHC 6536 3 Population and Community Health

PHC 6411 3 Introduction to Social Marketing for Public Health

PHC 6708 3 Evaluation Methods in Community Health

**Comprehensive Exam**

Comprehensive exam or thesis proposal defense may be used in lieu of the comprehensive exam

**OCCUPATIONAL HEALTH FOR HEALTH PROFESSIONALS**  (**POH)[[2]](#footnote-2)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisites: None required.
* Suggested/preferred undergraduate majors: Majors that prepared candidates for matriculation into medical school; undergraduate majors in other clinical disciplines, e.g. nursing, physical therapy, occupational therapy are acceptable.
* For residency program: Acceptance into the residency requires graduation from an approved medical school and completion of at least two years of clinical training in a primary care specialty. Consideration will also be given for resident applicants with considerable occupational medicine practice experience and only one year of residency training.
* Prerequisite undergraduate courses: Clinical courses associated with a clinical profession.
* Work experience:
	+ - Residency Program: Two years of a primary care specialty residency program is preferred. Candidates with significant experience or skills will be considered with one year of primary care training.
		- Other health professionals: two years clinical experience preferred. Residency program or other physicians with a valid U.S. unrestricted medical license
		- Other health professionals 3.0 in last 60 credits of undergraduate program and a valid clinical license.
* GRE Score:
	+ Residency Program: waived with documentation of unrestricted valid U.S. medical license.

 Other health professionals: **Must meet MSPH minimums**

**Total Program Requirements with this concentration – 47 credit hours minimum**

Students in this concentration must select track 1 foundation courses. In addition to the 16 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Additional Required Foundation Courses – 6 credit hours

Concentration Course Requirements – 23 credit hours

Elective courses – 2 credit hours

**Additional Required Foundation Courses – 6 credit hours**

(complete the two remaining Program Foundation Courses listed above)

PHC 6102 3 Principles of Health Policy and Management

PHC 6357 3 Environmental and Occupational Health

PHC 6410 3 Social and Behavioral Sciences Applied to Health

**Concentration Course Requirements – 23 credit hours**

PHC 6356 2 Industrial Hygiene

PHC 6351 3 Occupational Medicine for Health Professionals

PHC 6364 2 Industrial Hygiene Aspects of Plant Operations

PHC 6360 2 Safety Management Principles and Practices or other approved safety course

PHC 6930 4 Public Health Seminar: Occupational and Environmental Research (1 credit each semester for a minimum of 4 semesters)

PHC 6423 2 Occupational Health Law

PHC 6354 2 Safety and Health Administration

PHC 7019 3 Occupational Epidemiology

Select ONE of the following:

PHC 6310 3 Environmental Occupational Toxicology

PHC 6350 3 Occupational Toxicology and Risk Assessment

**Elective Courses – 2 credit hours**

Examples of elective courses:

PHC 6350 3 Occupational Toxicology and Risk Assessment

PHC 6370 2 Biological and Surface Monitoring

PHC 6361 2 Industrial Ergonomics

**Comprehensive Exam**

This concentration requires a combined core comprehensive/concentration exam.

**OCCUPATIONAL MEDICINE RESIDENCY (POM)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisites: None required.
* Suggested/preferred undergraduate majors: Majors that prepared candidates for matriculation into medical school; undergraduate majors in other clinical disciplines, e.g. nursing, physical therapy, occupational therapy are acceptable.
* For residency program: Acceptance into the residency requires graduation from an approved medical school and completion of at least two years of clinical training in a primary care specialty. Consideration will also be given for resident applicants with considerable occupational medicine practice experience and only one year of residency training.
* Prerequisite undergraduate courses: Clinical courses associated with a clinical profession.
* Work experience:
	+ - Residency Program: Two years of a primary care specialty residency program is preferred. Candidates with significant experience or skills will be considered with one year of primary care training.
		- Other health professionals: two years clinical experience preferred.
* Minimum undergraduate GPA:
	+ - Residency program or other physicians with a valid U.S. unrestricted medical license
		- Other health professionals 3.0 in last 60 credits of undergraduate program and a valid clinical license.
* GRE Score:
* Residency Program: waived with documentation of unrestricted valid U.S. medical license.
* Other health professionals: **Must meet MSPH minimums**

**Total Program Requirements with this concentration – 47 credit hours minimum**

Students in this concentration must select track 1 foundation courses. In addition to the 16 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Additional Required Foundation Courses – 6 credit hours

Concentration Course Requirements – 23 credit hours

Elective courses – 2 credit hours

**Additional Required Foundation Courses – 6 credit hours**

Students must complete the following courses in addition to the Program Foundation Requirements:

PHC 6102 3 Principles of Health Policy and Management

PHC 6357 3 Environmental and Occupational Health

PHC 6410 3 Social and Behavioral Sciences Applied to Health

**Concentration Course Requirements –23 credit hours**

PHC 6356 2 Industrial Hygiene

PHC 6351 3 Occupational Medicine for Health Professionals

PHC 6364 2 Industrial Hygiene Aspects of Plant Operations

PHC 6360 2 Safety Management Principles and Practices or other approved safety course

PHC 6930 4 Public Health Seminar: Occ. and Environmental Research (1 credit each semester for a minimum of 4 semesters)

PHC 6423 2 Occupational Health Law

PHC 6354 2 Safety and Health Administration

PHC 7019 3 Occupational Epidemiology

Select ONE of the following:

PHC 6310 3 Environmental Occupational Toxicology

PHC 6350 3 Occupational Toxicology and Risk Assessment

**Elective Courses – 2 credit hours**

Examples of elective courses:

PHC 6350 3 Occupational Toxicology and Risk Assessment

PHC 6370 2 Biological and Surface Monitoring

PHC 6361 2 Industrial Ergonomics

**Comprehensive Exam**

This concentration requires a combined core comprehensive/concentration exam.

**OCCUPATIONAL SAFETY (POS)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisites: None.
* Suggested/preferred undergraduate majors: science, engineering, technology and management, and psychology.
* Prerequisite undergraduate courses: None
* Work experience: None required; however occupational work experience is beneficial.
* Minimum undergrad GPA: Upper division GPA 3.0.
* Other criteria: Two Letters of recommendation.

**Total Program Requirements with this concentration - 46 credit hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 20 credit hours

Research Courses – 6 credit hours

Elective courses – 5 credit hours

**Concentration Course Requirements – 20 credit hours**

PHC 6360 2 Safety Management Principles and Practices

PHC 6354 2 Safety and Health Administration

EIN 6216 3 Occupational Safety Engineering

EIN 6215 3 Engineering System Safety

PHC 6423 2 Occupational Health Law

PHC 6361 2 Industrial Ergonomics

PHC 6356 2 Industrial Hygiene

PHC 6310 3 Environmental Occupational Toxicology

PHC 6930 1 Public Health Seminar

**Research Courses – 6 credit hours**

PHC 6051 3 Biostatistics II

*One research course (3 credits) as approved by the program*

**Elective Courses – 5 credit hours**

Electives: Two required from the following or other approved electives:

PHC 7934  2 Work and Environmental Physiology

INP 6935  3 Topics in Industrial-Organizational Psychology: Personnel or Organizational Psychology

INP 7937 3 Graduate Seminar in Industrial-Organizational Psychology: Occupational Health Psychology

**Comprehensive Exam**

**Additional Culminating Experience**

Safety Concentration Examination or ASP Exam (no credit)

**PUBLIC HEALTH EDUCATION (PPD)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisite: None
* Suggested/preferred undergraduate majors: Social or Behavioral Sciences, International Studies, Women Studies, Public Health, Regional Studies (i.e., Latin America and Caribbean) and Health Sciences.
* Prerequisite undergraduate courses: None
* Work experience: some public health experience preferred but not required
	+ GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile
* Three letters of recommendation from academic and/or related professional sources,  goal statement

**Total Program Requirements with this concentration – 44 credit hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 12 credit hours

Research Courses – 9 credit hours

Elective courses – 8 credit hours

**Concentration Course Requirements – 12 credit hours**

Required Specialization Area Courses: Courses depend on the area of specialization.

**Research Courses – 9 credit hours**

PHC 6051 3 Biostatistics II

*6 hours of other research courses selected by the student and committee.*

**Elective Courses – 8 credit hours**

Examples of common electives are:

ANG 6469 3 Selected Topics in Medical Anthropology

PHC 6536 3 Population and Community Health

PHC 6411 3 Introduction to Social Marketing for Public Health

PHC 6708 3 Evaluation Methods in Community Health

**SOCIO-HEALTH SCIENCES (PSH)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisite: None
* Suggested/preferred undergraduate majors: Social or Behavioral Sciences, International Studies, Women Studies, Public Health, Regional Studies (i.e., Latin America and Caribbean) and Health Sciences.
* Prerequisite undergraduate courses: None
* Work experience: some public health experience preferred but not required
	+ GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile
* Three letters of recommendation from academic and/or related professional sources,  goal statement

**Total Program Requirements with this concentration - 44 credit hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 12 credit hours

Research Courses – 9 credit hours

Elective courses – 8 credit hours

**Concentration Course Requirements – 12 credit hours**

Required Specialization Area Courses: Courses depend on the area of specialization.

**Research Courses – 9 credit hours**

PHC 6051 3 Biostatistics II

*6 hours of other research courses selected by the student and committee.*

**Elective Courses – 8 credit hours**

Examples of common electives are:

ANG 6469 3 Selected Topics in Medical Anthropology

PHC 6536 3 Population and Community Health

PHC 6411 3 Introduction to Social Marketing for Public Health

PHC 6708 3 Evaluation Methods in Community Health

**TOXICOLOGY AND RISK ASSESSMENT (PTX)**

**Pre-requisites and Admissions Information**

In addition to meeting the Program admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

* Public health course prerequisite: College requires HSC 4551 Survey of Human Diseases or comparable course for students who do not have public health or biology courses or experience.
* Suggested/preferred undergraduate majors: Sciences - biology, chemistry, physics, and environmental science.
* Prerequisites undergraduate courses: Courses in biology and chemistry.
* Work experience: Not required.
* GRE Score may be substituted with an MCAT Score averaging 8 or higher

**Total Program Requirements with this concentration – 44 credit hours minimum**

In addition to the 15 hours minimum required for the Program Core Requirements, Foundation course requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 23 credit hours

Research Courses – 9 credit hours

Elective courses – 3 credit hours

**Concentration Course Requirements – 23 credit hours**

HSC 6556 3 Pathobiology of Human Disease I

PHC 6353 3 Environmental Toxicology and Risk Assessment

PHC 6310 3 Environmental Occupational Toxicology

PHC 6359 3 Xenobiotic Metabolism in Environmental and Occupational Health

PHC 6369 2 Industrial Toxicology

PHC 6350 3 Occupational Toxicology and Risk Assessment

PHC 6934 2 Selected Topics in Public Health

PHC 6930 1 Public Health Seminar

HSC 6557 3 Pathobiology of Human Disease II

**Research Courses – 3 credit hours**

PHC 6051 3 Biostatistics II

**Elective Courses – 3 credit hours**

**Culminating Experiences:**

*This concentration requires a core comprehensive exam.*

**Comprehensive Exam** (must be registered for at least 2 credit hours of coursework)

**or Thesis proposal defense**

**OTHER PROGRAM INFORMATION**

**Certificate Programs:**

For information click on the graduate certificates at <http://www.usf.edu/innovative-education/programs/graduate-certificates/>

**COURSES**

 See <http://www.ugs.usf.edu/course-inventory/>

1. Only for health professionals [↑](#footnote-ref-1)
2. Only for health professionals [↑](#footnote-ref-2)