

COLLEGE OF PUBLIC HEALTH



Changes to Note

The follow curricular changes for the College of Public Health were approved by the USF Graduate Council as noted.

Program Changes

Public Health: ALL	MPH	Correct Peace Corps Statement (was not listed as available for some programs)	4/4/16
Public Health: Biostatistics Conc	MPH	Revise Curriculum, Pre-reqs; split PHC 6057 over two semesters	1/11/16
Public Health: Epidemiology & Biostatistics (Dual Concentration)	MPH	Make corresponding revisions for Biostats Concentration in ref to PHC 6057	1/11/16
Public Health: Epidemiology (ONLINE) Conc	MPH	Create New Concentration – Epidemiology (ONLINE) (EPO) -need separate code to use for cohort of students taking concentration online	1/11/16
Public Health: Global/Epi Dual Concentration	MPH	Minor corrections to Catalog Copy noted for record	1/11/16
Public Health: Infection Control Concentration	MPH	Note for the Record – Catalog Updates (Non-Sub Change; Updating existing course numbers with permanent numbers)	11/2/15
Public Health: Nutrition and Dietetics Conc	MPH	New Concentration: Nutrition and Dietetics Conc (NUD)	1/11/16
Public Health: ALL	MSPH	Change program core	1/25/16
Public Health: ALL	MSPH	Revisions to Core (second changes to core)	4/4/16
Public Health: Biostatistics	MSPH	Change Curriculum; split PHC 6057 over two semesters	1/11/16
Public Health: Genetic Counseling	MSPH	Add new concentration in Genetic Counseling (GTC)	1/25/16
Public Health: ALL	PhD	Change Admission Deadlines – Summer 2017: Nov 15, 2016; Fall 2016: February 15, 2016, Spring 2017: July 15, 2016	1/11/16
Public Health: Health Services Research Concentration	PhD	Revise Curriculum: Delete ECO 6424; add 3 credit research elective. Approved with minor edit	1/11/16

Graduate Certificate Changes

Health Management and Lead.	Change requirements	3/7/16
Public Health Policy and Programs	Change requirements	3/7/16

University of South Florida
College of Public Health
13201 Bruce B. Downs Blvd MDC56
Tampa, FL 33612

Web address: <http://www.publichealth.usf.edu>
Email: advisor@health.usf.edu
Phone: 813-974-6665
Fax: 813-974-8121

College Dean: Donna Petersen, ScD, MHS
Associate Dean: Kay Perrin, Ph.D.

DEPARTMENTS AND COLLEGE WIDE PROGRAMS

Community and Family Health

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental and Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology and Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology: Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology., Biostatistics: Methodologies for analysis of spatial and temporal data including multilevel, mixed-effects, and growth curve modeling, Bayesian methods, Survey and sampling, Missing data, Causal inference, Survival data analysis, and Data mining; Applications ranging from design and analysis of field trials for prevention of mental and behavioral disorders, design and analysis of clinical trials, analysis of social behavioral data, analysis of environmental data such as air pollution, health outcome evaluation, emdical surveillance, modeling of biological system including dynamic models of HIV/AIDs trials, and health risk assessment.

Global Health

<http://publichealth.usf.edu/gh/>

"Drug development and diagnosis of emerging and infectious diseases of developing countries, including malaria and tissue and soil transmitted dwelling helminths. Ecology and remote sensing prediction of diseases in developing countries. Ecology and control of vector borne diseases in Florida, especially endemic and emerging arboviruses. Chronic diseases and accident prevention in developing countries. Disaster cycle with emphasis on the recovery phase within the context of a Humanitarian Complex Emergency. Infection control practices and procedures in healthcare settings."

Health Policy and Management

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

College Wide Programs

<http://publichealth.usf.edu/php/>

Public Health Practice, Executive Public Health Weekend Program, Public Health Generalist, Healthy Communities, Health Equity.

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education for Public Health and the MSPH in Industrial Hygiene is accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>. The M.H.A. and dual M.H.A./M.P.H are accredited by the Commission on Accreditation of Healthcare Management Education.

Mission Statement:

The College of Public Health's mission is to improve the public's health through advancing discovery, learning, and service. Goals are related to building strong focused research programs that reward and encourage scholarship and creative activities, continual improvement of academic programs and student centered learning, a college culture that supports our mission, vision, and values, a strong sustainable infrastructure, and active service and meaningful community engagement.

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 is open to students from diverse academic disciplines including Health Sciences, Education, Business, Communication, Mathematics, Social and Natural Sciences. Graduates are prepared for interdisciplinary focused public health 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. The program in Public Health Practice is College-wide.

Core content is directly related to addressing and meeting public health issues. Off campus or alternate calendar programs may reflect additional offerings to meet specific needs. The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online delivery of courses and graduate certificates, and a executive M.P.H. for experienced health professionals.

The College hosts several College and Departmental based centers that augment the learning opportunities for students. A few examples include the Center for Biological Defense, Center for Leadership in Public Health Practice, Center for Positive Health, the Florida Health Information Center, The James and Jennifer Harrell Center for the Study of Family Violence, the Lawton and Rhea Chiles Center for Healthy Mothers and Babies, and the Florida Prevention Research Center.

Degrees, Programs, Concentrations**Master of Health Administration (M.H.A.)****Health Administration (MHA)****Master of Public Health (M.P.H.)****Public Health (MPH)**

- Behavioral Health (BHH)
- Biostatistics (BST)
- Environmental Health (EVH)
- Epidemiology (EPY)
- Epidemiology (ONLINE) (EPO)
- Epidemiology and Biostatistics (PEB)-*dual concentration*
- Epidemiology and Global Communicable Disease (EGC) – *dual concentration*
- Epidemiology and Global Health - (EGH)-*dual concentration*
- Epidemiology and Maternal & Child Health (EMC) – *dual concentration*
- Executive Program for Health Professionals (EPH)^{1,2}
- Food Safety (FOS)
- Global Communicable Disease (TCD)
- Global Disaster Management, Humanitarian Relief, and Homeland Security (GHH)
- Global Health Practice (GLO) Health Care Organizations and Management (HCO)
- Health Policies and Programs (HPP)
- Health Safety and Environment (HLE)
- Infection Control (IFC)
- Maternal and Child Health (PMC)

Nutrition and Dietetics (NUD)
Occupational Health (OCC)³
Occupational Health for Nurses
Occupational Safety (SFM)
Public Health Administration (PHA)
Public Health Education (PHN)
Public Health Practice Program (PHP)^{1, 2}
Social Marketing (SOM)
Socio-Health Sciences (SHS)
Toxicology and Risk Assessment (TXY)

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

Public Health (MSP)
Behavioral Health (PBH)
Bioinformatics (PBF)
Biostatistics (PBC)
Environmental Health (PEH)
Epidemiology (PEY)
Genetic Counseling (GTC)
Global Communicable Diseases (PGD)
Industrial Hygiene (PIH)
International Public Health Research, Policy and Planning (PIP)
Maternal and Child Health (PMH)
Occupational Health (POH)⁴
Occupational Medicine Residency (POM)
Occupational Safety (POS)
Public Health Education (PPD)
Socio-Health Sciences (PSH)
Toxicology and Risk Assessment (PTX)

Doctor of Philosophy (Ph.D.) Degree

Public Health
Biostatistics (BST)
Community and Family Health (CFH)
Environmental Health (EVH)
Environmental and Occupational Health (EOH)
Epidemiology (EPY)
Global Communicable Diseases (TCD)
Health Services Research (HPM)
Industrial Hygiene (IHY)
Occupational Health for Health Professionals (OHP)
Toxicology and Risk Assessment (TXY)

Doctor of Public Health (Dr.P.H.) Degree

Public Health

Accelerated Programs:

B.S. in Public Health and MPH in Public Health: Public Health Education Concentration (3+2 program)
 M.S. in Environmental Science & Policy And M.P.H./M.S.P.H. in Public Health
 Fast Track MPH/MSPH for USF Honors Students

Dual Degree Programs:

Health Administration and Public Health: Health Policies/Programs	M.H.A./M.P.H.
Public Health and Anthropology	M.P.H./M.A. or Ph.D.
Public Health and Law	M.P.H./J.D.
Public Health and Medicine <i>for already enrolled USF College of Medicine students.</i>	M.P.H./M.D.
Public Health and Social Work	M.P.H./M.S.W.
Public Health (Occupational Health) and Nursing/Adult Nurse Practitioner	M.P.H./M.S.
Public Health and Biochemistry/Molecular Biology	M.P.H./Ph.D.
Public Health and Physical Therapy	M.P.H./D.P.T.

Peace Corps Master's International (PCMI) Program

Offered in All Departments

The Peace Corps Master's International (PCMI) program is a college-wide program open to all students (excluding international students). Master's International students begin studies on campus, and then serve abroad with the Peace Corps for 27 months before returning to campus to complete graduation requirements for a (M.P.H.) degree or a Master of Science in Public Health (M.S.P.H.) degree. As an incentive, the College provides tuition and fee waivers for up to nine (9) credit hours for the required Field Experience and the Special Project, or the successful defense of a Thesis. . PCMI students gain two years of significant international work experience and knowledge while working in resource-poor settings, thereby enhancing their marketability for employment upon graduation.

Graduate Certificates Offered:

For the most current list go to: <http://www.outreach.usf.edu/gradcerts/>

Applied Biostatistics*
 Biostatistics
 Concepts and Tools of Epidemiology*
 Diasporas and Health Disparities (shared with Africana Studies)
 Disaster Management*
 Environmental Health
 Epidemiology
 Epidemiology of Infectious Diseases*
 Global Health in Latin America and Caribbean Studies
 Global Health Practice
 Health Equity
 Health Management and Leadership
 Health, Safety & Environment
 Homeland Security
 Humanitarian Assistance*
 Infection Control*
 Interdisciplinary Women's Health
 Maternal and Child Health
 Maternal Child Health Epidemiology
 Planning for Healthy Communities
 Public Health Generalist*
 Public Health Policy and Programs*
 Safety Management
 Social Marketing & Social Change*

Toxicology and Risk Assessment
 Translational Research in Adolescent Behavioral Health
 Violence and Injury: Prevention and Intervention
 Water, Health, and Sustainability
 *fully on-line

COLLEGE REQUIREMENTS

Attendance Policy

All Instructors teaching undergraduate and graduate courses are required to take attendance on the first day of class and to drop students who do not attend the first day of class. Students who experience extenuating circumstances that are beyond their control and who are unable to attend a first class meeting must notify the instructor or the department prior to the first class meeting to request waiver of the first class attendance requirement. Although Instructors are authorized to affect the drop, students are fundamentally responsible for knowing their registration status, and the student must insure that his/her registration status reflects the drop by the end of the drop/add period.

Degree Requirements

A detailed description of each degree and its requirements can be found on the website listed.

Master of Health Administration (M.H.A.): <http://health.usf.edu/publichealth/hpmmha.html>

All M.H.A. students are required to successfully complete a total of 57 credits plus field experience:

- Public Health core—15 credits
- Management and Policy courses - 20 credits
- Finance, Economic and Decision Making Skills - 17 credits
- Culminating Experiences – 6-7 credits

Master of Public Health (M.P.H.): http://health.usf.edu/publichealth/degree_descriptions.html

All M.P.H. students are required to successfully complete a minimum of 42 credits:

- PHC 6588 History & Systems of Public Health – 1 credit
- Foundations courses – 15 credits
- Concentration courses in specialty areas - 12 credit minimum, depending on department requirements
- Comprehensive Exam
- Field Experience – 1-6 credits
- Special Project - 3 credits
- Electives (variable)

*Students in the Biostatistics concentration who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6057: Biostatistical Inference I" 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 6057 Biostatistical Inference I.

Master of Science in Public Health (M.S.P.H.): <http://publichealth.usf.edu/msph.html>

- All M.S.P.H. students are required to successfully complete 42+ credits depending on concentration requirements, including a Program Core Course (1 credit) and Foundation courses (8 credits minimum)
- Courses in specialty areas as designated by advisory committee - 12 credits minimum
- Research Methods as determined by advisory committee
- Comprehensive Exam
- Thesis for a minimum of 6 credits
- Electives (variable)

Doctor of Philosophy (Ph.D.): http://health.usf.edu/publichealth/degree_descriptions.html

The Doctor of Philosophy (Ph.D.) is granted in recognition of high attainment in a specified field of knowledge. It is a research degree and is not conferred solely upon the earning of credit or the completion of courses. It is granted after the student has shown proficiency and distinctive achievement in the specific field, has demonstrated the ability to do original, independent investigation, and has presented these findings with a high degree of literacy skills in a dissertation. This degree requires a minimum of 90 credits beyond the baccalaureate degree. Doctoral programs leading to Ph.D. are offered in all five departments and the five core areas of public health. Students have an opportunity to specialize within their department.

Each department has written specific guidelines and there are college-wide PhD student competencies. Students and their major advisor jointly create a written plan to meet all competencies via plan of study, research experience, departmental and professional activities, and other appropriate methods.

The courses and number of credit hours required are defined by the Department and the doctoral committee. Coursework includes the Ph.D. core courses, three semesters of a one-credited hour college-wide Advanced Interdisciplinary Seminar in Public Health, coursework from another department or college, and a minimum of 13 credits at the 7000 level. Generally, the doctoral degree requires a minimum of 90 credits beyond the bachelor's degree. There is a mandatory doctoral student orientation that all new doctoral students must attend in the fall semester of their first academic year. Students will demonstrate or document proficiency in teaching academic courses at the University level. When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a comprehensive qualifying examination. All students must complete a dissertation.

Doctor of Public Health (Dr.P.H.)

The **Doctor of Public Health (Dr.P.H.)** is a professional, practice-oriented degree which is granted in recognition of the attainment of a broad set of practice, analytic and evaluative skills, including demonstrated public health leadership skills. Emphasis will be placed on proficiency in policy development and health policy strategies, public health leadership and management of health programs. Demonstration of applied research skills and strength in evaluation methods via practice-based specialized study will be expected. The Dr.P.H. will require 90 semester hours beyond the baccalaureate degree. Candidates will have an M.P.H. or equivalent degree prior to admission, therefore the actual additional hours required for the Dr.P.H. beyond the Master's level will average 45 to 50 semester hours, depending upon the program designed by the student and his or her committee. Per University guidelines, all requirements for the doctoral degree must be completed within seven calendar years from the student's date of admission for doctoral study. Students have four years to complete all required coursework, pass the qualifying examination, and be admitted to doctoral candidacy. Students then have four years from the date of doctoral candidacy to complete degree requirements.

Mission

The mission of the Doctor of Public Health is to prepare practitioners for leadership and advocacy in public health practice through a scientific, interdisciplinary approach to understanding and solving public health problems in the public and private sectors, the United States, and worldwide. This mission relates directly to the University of South Florida mission which includes creating a community of learners together with significant and sustainable university-community partnerships and collaborations; and designing, strengthening and building sustainable healthy communities and improving quality of life.

OTHER INFORMATION**Comprehensive Examination (M.H.A., M.P.H., M.S.P.H.)**

The Core Comprehensive Examination covering core courses is a requirement for all students seeking an M.P.H. or M.S.P.H. degree in the College of Public Health.

The Department of Environmental and Occupational Health also requires a concentration comprehensive examination covering the concentration courses. Each department has detailed written guidelines which are listed on department websites. Additional information may be found at

<http://health.usf.edu/publichealth/academicaffairs/compexam.html>.

Please consult individual departments for information.

Field Experience

The type and length of the field experience varies. All students in the M.H.A., M.P.H., and M.S.P.H. in Industrial Hygiene are required to complete a field experience. Each department has written guidelines and a field experience website is available to assist students in this portion of their program at

<http://publichealth.usf.edu/academicaffairs/fe/>

Special Project

The special project is an in-depth study of a selected issue in public health. A topic will be selected according to student's needs and interests.

Thesis (M.S.P.H.)

M.S.P.H. students MUST complete a Thesis.

Graduate Assistantships

Graduate assistants may perform research, teaching functions, assist in the production of seminars and workshops, or other work related to their specific disciplines. Graduate assistants are paid a biweekly stipend and may qualify to receive in-state tuition waivers. Assistantships are awarded on a competitive basis. Students must have a GPA of 3.0 or better in their upper division coursework, must be degree-seeking and enrolled full time.

Additional information may be found at <http://publichealth.usf.edu/financial.html>

All positions are posted at <http://publichealth.usf.edu/jobpostings.html>

Scholarships and Aid

Sources of aid are limited to degree-seeking students only and include the following which are detailed at <http://www.publichealth.usf.edu/FinAid.html>: several named fellowships and scholarships, Florida Environmental Health Association Scholarships, Florida Public Health Association Scholarships, MCH Epidemiology Traineeships, among many others.

About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the College that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

PROGRAMS

PUBLIC HEALTH PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

**Green denotes
Program (or Major)**

Black denotes degree

CONCENTRATIONS

Concentration Requirements are listed separately under each Program.

The Program and Concentration are listed on the official transcript. Other areas, such as application tracks, are not listed on the transcript.

Example:

**Doctor of Philosophy in Public Health
with a Concentration in Behavioral Health**

HEALTH ADMINISTRATION PROGRAM

Master of Health Administration (M.H.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Domestic Applicants

Fall:	May 1
Spring:	August 1
Summer:	November 15

International Applications:

Fall:	May 1
Spring:	August 1
Summer:	November 15

Minimum Total Hours:	58
Program Level:	Masters
CIP Code:	51.0701
Dept Code:	DEA
Program (Major/College):	MHA PH
Approved:	1988

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.H.A. program prepares students for private and public sector leadership positions. In addition to the five core areas of public health, the curriculum helps students develop skills and knowledge in basic business disciplines with application to health services; a clinical and community perspective and professional skills. Students develop an understanding of organizational models and management principles applied to health settings; health care financial management and economics; quality and performance improvement; health policy and policy analysis; strategic planning and marketing; and health law and ethics.

The Master of Health Administration has the following competencies in which the graduate will be able to:

Management Science and Technology

- Explain and demonstrate an understanding of scientific operational definitions and their measurement, e.g., efficiency, effectiveness and quality.
- Integrate operational planning and management tools for performance and quality improvement.
- Demonstrate the use of information systems and application software in health services, e.g., electronic medical records, GIS, and use of software tools for management decision-making.
- Explain and demonstrate the application of quantitative analysis, e.g., descriptive and inferential statistics, regression, forecasting.
- Build analytical thinking acumen, e.g., the ability to understand any issue by delving into its relevant components and formulating solutions.
- Manage and assess operational performance.

Leadership, Planning, and Communication

- Shape operational and strategic plans and integrate with marketing initiatives.
- Lead improvement upon organizational design and culture, e.g., formal and informal decision-making structures, and champion workforce diversity.
- Clarify human resources management and staff development.
- Demonstrate public health values and reinforce ethical decision-making.
- Integrate and demonstrate effective written oral communication.

Public Policies and Community Engagement

- Assess community needs and values and the role of external relations, e.g., demographic/population contexts for development and management of health services.
- Comprehend and explain the legal and regulatory environment for health services.
- Explain and identify the optimal quantity of health care services to provide, e.g., satisfying supply and demand constraints and resource limitations.
- Analyze public policy context and choices.
- Analyze the linkages between cultural competencies and diversity regarding health disparities.

Concepts of Economic and Financial Management

- Comprehend and create budgets (e.g., variance analysis and standards development) and apply contribution margin analysis as used by clinical revenue-generating personnel and for product line management.
- Explain the principles and applications of cost accounting, e.g., breakeven analysis, the costing process, measurement, and control.
- Understand and construct financial statements, applying ratio analysis and pro forma statement generation.
- Execute financial mathematics, e.g., time value of money calculations, capital budgeting, return on investment, and project risk analyses.
- Perform differential reimbursement calculations by payers (e.g., Medicare/Medicaid, self-pay, managed care) and describe the major principles of health insurance.
- Understand and explain economic evaluation, e.g. cost benefit/cost effectiveness analysis.

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. Accredited by the Commission on Accreditation of Healthcare Management Education (CAHME).

Major Research Areas:

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

ADMISSION INFORMATION

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

Program Admission Requirements

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

- Public health course prerequisites:
 - Suggested/preferred undergraduate majors: Life sciences, social sciences, business, or health professions.
 - Prerequisite undergraduate courses: Microeconomics or equivalent (prerequisite must be completed prior to enrolling in PHC 6430 Health Economics I) and Accounting (prerequisite must be completed prior to enrolling in PHC 6160 Health Care Financial Management)
- Work experience: Preferred, but not required.
- Minimum undergrad GPA: 3.00 upper division (may be waived if GRE exceeds minimum subscores).
- Verbal GRE 50th percentile
- Quantitative GRE 50 Percentile
- In lieu of the GRE, applicants may submit a minimum GMAT score of 500 for the MHA.

- Applicants admitted to the M.H.A. or an M.P.H. with a concentration in the Department of Health Policy and Management who have a score on the GRE Verbal of Analytical Writing test which is below the 40th percentile may be required to take REA 2105—Critical Reading and Writing—or an equivalent English composition course, during the first semester of enrollment, and pass with a grade of “B” or better in the class.

DEGREE PROGRAM REQUIREMENTS

Total minimum:	58 hrs
CORE REQUIREMENTS	15
PHC 6102 Principles of Health Policy and Management	3
PHC 6000 Epidemiology	3
PHC 6050 Biostatistics I	3
PHC 6357 Environmental and Occupational Health	3
PHC 6410 Social and Behavioral Sciences Applied to Health	3
Management and Policy	20
PHC 6148 Strategic Planning and Healthcare Marketing	3
PHC 6147 Managing Quality in Health Care	2
PHC 6151 Health Policy and Politics	3
PHC 6180 Health Services Management	3
PHC 6181 Organizational Behavior in Health Services	3
PHC 6420 Health Care Law, Regulation and Ethics	3
PHC 6435 Comparative Health Insurance Systems	3
Finance, Economics and Decision Making Skills	17
PHC 6160 Health Care Financial Management	3
QMB 6305 Managerial Decision Analysis	2
PHC 6161 Health Care Finance and Costing	3
PHC 6191 Quantitative Analysis in Health Services	3
PHC 6196 Information Systems in Health Care Management	3
PHC 6430 Health Economics I	3
Culminating Requirements	6-7
PHC 6945 Supervised Field Experience	1-2
<ul style="list-style-type: none"> • Students with little or no professional experience: 2 hours minimum; • Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 hour) if the student has meaningful experience (involving decision-making) in a health care or related organization 	
PHC 6977 Special Project	3
PHC 6183 Advanced Seminar in Health Care Management (Case-based capstone course that includes the final comprehensive exam)	2
Total credits:	58

COURSES

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

PUBLIC HEALTH DUAL DEGREE PROGRAM

Master of Health Administration (M.H.A.) Degree Master of Public Health (M.P.H.) Degree in Public Health with a Concentration in Health Policies and Programs

DEGREE INFORMATION

Program Admission Deadlines:

Refer to each Program for admission deadline information

Minimum Total Hours:	70
Program Level:	Masters
CIP Code:	Refer to programs
Dept Code:	Refer to programs
Program (Major/College):	MHA PH MPH PH

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.H.A./M.P.H. dual degree provides a unique opportunity for students who are interested in both health administration and health policy to pursue both interests, recognizing that the health care marketplace has professional opportunities that require both skill sets. For specific information on each degree, refer to that degree program's listing in the Catalog.

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. Accredited by the Commission on Accreditation of Healthcare Management Education.

ADMISSION INFORMATION

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

Program Admission Requirements

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

- Public health course prerequisites:
 - Suggested/preferred undergraduate majors: Life sciences, social sciences, business, or health professions.
 - Prerequisite undergraduate courses: Microeconomics or equivalent (prerequisite must be completed prior to enrolling in PHC 6430 Health Economics I) and Accounting (prerequisite must be completed prior to enrolling in PHC 6160 Health Care Financial Management)
- Work experience: Preferred, but not required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum subscores).
- Verbal GRE 50th % Preferred
- Quantitative GRE 50th % Preferred
- In lieu of the GRE, applicants may submit a minimum GMAT score of 500 for the MHA.
- Applicants admitted to the M.H.A. or an M.P.H. with a concentration in the Department of Health Policy and Management who have a score on the GRE Verbal of Analytical Writing test which is below the 40th percentile may be required to take REA 2105—Critical Reading and Writing—or an equivalent English composition course, during the first semester of enrollment, and pass with a grade of “B” or better in the class.

DEGREE PROGRAM REQUIREMENTS

Plan of Study Total minimum:		70 hrs
M.H.A. ONLY COURSES		28 hours
PHC 6147	Managing Quality in Health Care	2
PHC 6148	Strategic Planning and Health Care Marketing	3
PHC 6180	Health Services Management	3
PHC 6181	Organizational Behavior in Health Sciences	3
PHC 6160	Health Care Financial Management	3
PHC 6161	Health Care Finance and Costing	3
QMB 6305	Managerial Decision Making	2
PHC 6196	Information Systems in Health Care Management	3
PHC 6191	Quantitative Analysis in Health Care Services	3
PHC 6945	Supervised Field Experience	1
PHC 6166	Advanced Seminar in Health Care Management	2
M.P.H. in Health Policies and Programs ONLY COURSES		11 hours
PHC 6104	Management of Public Health Programs	3
PHC 6063	Public Health Data, Information, and Decision Making	3
PHC 6760	Research Methods in Public Health Programs (Prev title: Health Program Evaluation)	3
PHC 6945	Supervised Field Experience	2
SHARED COURSES		31 hours
Public Health Core, Foundation, and Required Requirements:		
PHC 6588	History and Systems of Public Health	1
PHC 6000	Epidemiology	3
PHC 6050	Biostatistics I	3
PHC 6102	Principles of Health Policy and Management	3
PHC 6357	Environmental and Occupational Health	3
PHC 6410	Social and Behavioral Science applied to Health	3
PHC 6977	Special Project	3
Health Policy and Management Requirements		
PHC 6435	Comparative Health Insurance Systems (Prev PHC 6114 Managed Care)	3
PHC 6151	Health Policies and Politics	3
PHC 6430	Health Economics I	3
PHC 6420	Health Care Law, Regulation and Ethics	3

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

PUBLIC HEALTH PROGRAM

Master of Public Health (M.P.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall:	May 1
Spring:	August 1
Summer:	November 15

International Applications

Fall	May 1
Spring:	August 1
Summer:	November 15

* *Global Health Practice admits in Fall term only.*

Minimum Total Hours: 42

Program Level: Masters

CIP Code: 51.2201

Dept Code: DEA

Program (Major/College): MPH/PH

Approved: 1981

Concentrations:

Behavioral Health (BHH)
 Biostatistics (BST)
 Environmental Health (EVH)
 Epidemiology (EPY)
 Epidemiology and Biostatistics (PEB)
 Epidemiology and Global Communicable Diseases(EGD)
 Epidemiology and Global Health (EGH)
 Epidemiology and Maternal and Child Health (EMC)
 Executive Program for Health Professionals (EPH)
 Food Safety (FOS)
 Global Communicable Diseases (TCD)
 Global Disaster Management, Humanitarian Relief and Homeland Security (GHH)
 Global Health Practice (GLO)

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

Program Website:

<http://publichealth.usf.edu/mph.html>

Health Care Organizations and Management (HCO)
 Health Safety and Environment (HLE)
 Health Policies and Programs (HPP)
 Infection Control (IFC)
 Maternal and Child Health (PMC)
 Occupational Health (OCC)¹
 Occupational Health for Nurses (OCP)
 Occupational Safety (SFM)
 Public Health Administration (PHA)
 Public Health Education (PHN)
 Public Health Practice, PHP)^{2,3}
 Social Marketing (SOM)
 Socio-Health Sciences (SHS)
 Toxicology and Risk Assessment (TXY)

Also offered as Accelerated Program and Dual Degree Option. See below for information

¹ Only available to dual M.S. Adult Nursing Students

² Requires 3 years of health-related experience

³ Offered (1) executive program and (2) online

PROGRAM INFORMATION

Accelerated Program Options:

B.S. in Public Health and MPH in Public Health: Concentration in Public Health Education (3+2)

Dual Degrees Offered:

Public Health and Anthropology (M.P.H. with M.A. or Ph.D.)

Public Health and Law (M.P.H./J.D.)—offered collegewide with Stetson Law School

Public Health and Medicine (M.P.H. / M.D.) for already enrolled USF College of Medicine Students

Public Health and Physical Therapy (D.P.T./M.P.H.)

- Designated for students in the DPT program in the School of Physical Therapy-M.P.H. availability collegewide

Public Health and Social Work (M.P.H. / M.S.W.)

- Behavioral Health
- Maternal and Child Health

Public Health (Occupational Health) and Nursing / Adult Nurse Practitioner (M.P.H. / M.S.)

Public Health and Biochemistry / Molecular Biology (M.P.H. / Ph.D.) offered in the following concentrations:

- Epidemiology
- Environmental Health
- Toxicology and Risk Assessment
- Global Communicable Diseases

Peace Corps Master's International (PCMI) Program

Offered in All Departments

The Peace Corps Master's International (PCMI) program is a college-wide program open to all students (excluding international students). Master's International students begin studies on campus, and then serve abroad with the Peace Corps for 27 months before returning to campus to complete graduation requirements for a (M.P.H.) degree or a Master of Science in Public Health (M.S.P.H.) degree. As an incentive, the College provides tuition and fee waivers for up to nine (9) credit hours for the required Field Experience and the Special Project, or the successful defense of a Thesis. PCMI students gain two years of significant international work experience and knowledge while working in resource-poor settings, thereby enhancing their marketability for employment upon graduation.

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. In addition, 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 certificates, 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..

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:

- Earned an undergraduate degree from an accredited institution;
- Earned a “B” average (3.0 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree
- Graduate Record Examination (GRE) preferred minimum: 44th verbal percentile, 25th qualitative percentile.**
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a preferred GMAT score of 500 for the M.P.H.
- An MCAT score may be submitted in lieu of the GRE. A mean of 8 is preferred. The Department of Epidemiology and Biostatistics does not permit the substitution of the MCAT for the GRE.
- Applicants admitted to the M.H.A. or M.P.H. concentration in the Department of Health Policy and Management (HPM) who have a score on the GRE Verbal or Analytical Writing test which is below the 40th percentile may be required to take REA 2105–Critical Reading and Writing–or an equivalent English composition course, during the first semester of enrollment, with a grade of “B” or better in the course.

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

** Some Department concentration areas prefer a higher GRE subscores. Health Care Organization and Management; Public Health Policies and Programs; Public Health Administration: Minimum GPA of 3.0 upper division undergraduate **AND** Preferred GRE of 50th percentile on Verbal and 50th percentile on Quantitative.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours:

42 credit hours minimum

Program Core – 1 credit hour

Foundation – 15 credit hours

Concentration/Electives - 22 credit hours minimum (varies with each concentration)

Field Experience – 1 credit hour minimum (varies with each each concentration)

Special Project -3 credit hours

Comprehensive Exam

Students must complete the Program core requirements and then the requirements as specified for the Concentration.

Program Core Course – 1 hour

PHC 6588	1	History & Systems of Public Health
----------	---	------------------------------------

Foundation Courses - 15 hours

Choose appropriate track:

Track 1 (current foundation courses available to all students)

PHC 6000	3	Epidemiology
PHC 6050	3	Biostatistics I
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

Track 2 (alternate foundation courses available to full-time, on-campus students)

PHC 6756	5	Population Assessment: Part 1
PHC 6081	3	Population Assessment: Part 2
PHC 6140	3	Translation to Practice
6000-level	4	Electives on a public health topic

Concentration

Students select from one of the concentrations listed on the following pages. The Concentration section includes required electives and Field Experience information.

Electives

Students select from suggested electives listed with each Concentration on the following pages.

Field Experience

PHC 6945 1 hr min Supervised Field Experience (up to 12 credits) –
During 2nd semester meet with advisor and begin planning field experience. See
<http://health.usf.edu/publichealth/academicaffairs/fe/>

Special Project

PHC 6977	3	Special Project
----------	---	-----------------

Comprehensive Exam

All M.P.H. students must take a college-wide Comprehensive Exam. Refer to concentration for any additional concentration-specific requirements.

CONCENTRATION OPTIONS

Students select from the following Concentrations:

BEHAVIORAL HEALTH (BHH)**Offered from the Department of Community & Family Health**

The M.P.H. in Public Health with a Concentration in Behavioral Health is offered jointly with the USF Louis de la Parte Florida Mental Health Institute with a focus upon behavioral health (mental health and substance abuse) services. This concentration examines community and family issues in evaluation of systems performance and outcomes of public mental health and substance abuse services as well as children's mental health, aging and mental, HIV and mental health services, and the planning, evaluation and accountability of mental health and substance abuse services. Graduates are prepared to work in mental health, alcohol and drug abuse organizations.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from the health sciences such as nursing, pre-med and allied health sciences, and from the social and behavioral sciences (psychology, social work, anthropology, educational psychology, and sociology) are especially appropriate.
- Work experience: Work experience in the field of public health, health, psychology, nursing, counseling, education, social works, etc., is considered extremely desirable.
- Minimum undergraduate GPA 3.0 in upper division course work
- GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile
- Three letters of recommendation from academic and/or related professional sources.

Total Program Requirements with this concentration - 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 16 credit hours

Electives – 6 credit hours

Field Experience – 3 credit hours minimum

Concentration Course Requirements - 16 hours minimum

MHS 7740	3	Survey of Mental Health Planning, Evaluation, and Accountability
PHC 6542	3	Epidemiology of Mental Disorders
PHC 6543	3	Foundations in Behavioral Health Systems
PHC 6708	3	Evaluation and Research Methods in Community Health
PHC 6035	3	Comorbidity of Mental and Physical Disorders
PHC 6724	1	Synthesizing Public Health Research

Electives - 6 hours minimum

(Examples of common elective options)

PHC 6413	3	Family & Community Violence in Public Health
PHC 6549	3	HIV & Mental Health
PHC 6547	3	Case Management in Community Mental Health
HSC 6552	3	Community-Based Prevention in Behavioral Health
PHC 6240	3	Cultural Competency in Children's Mental Health
PHC 6934	3	End of Life Care
PHC 6544	3	Children's Mental Health Services
PHC 6545	3	Evaluation in Mental Health
PHC 6934	3	Evidence-Based Practice in Behavioral Health
PHC 6548	3	Grant Writing in Mental Health
PHC 6401	3	Homelessness: Implications for Behavioral Healthcare
PHC 6934	3	Substance Abuse Treatment Services
MHS 6640	3	Mental Health Informatics
PHC 6934	3	Financing, Economics, and Policy in Behavioral Health

Field Experience – 3 hours minimum

PHC 6945 3-6 min Supervised Field Experience (up to 12 credits) –
 Students with little or professional experience - 6 hours minimum
 Students with relevant professional experience - 3 hours minimum

Professional experience would include at least 2 years of supervised work at a mental health, alcohol, or drug abuse agency in a variety of specialty areas within behavioral health services. These experiences might include work in program planning, program evaluation, community prevention and education, etc.

BIostatISTICS (BST)**Offered from the Department of Epidemiology & Biostatistics**

The MPH program in Public Health with a Concentration in Biostatistics provides educational opportunities for students to acquire a broad knowledge in biostatistics and apply biostatistical methods to public health problems.. The intended audience of the program includes individuals with strong quantitative background and interests in a professional career in a public health setting. The program trains students to be able to design studies, to implement data collection and management plans, to formulate analysis plans and conduct analysis, and to report and communicate analytical results. The program will also provide students with knowledge in statistical and computational methods and public health.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: mathematics, statistics, computer sciences, natural sciences, biological sciences, engineering, medical sciences, environmental sciences, management information systems.
- Prerequisite undergraduate courses: linear algebra, calculus, basic computer skills (e.g. operating system, internet, word processing, spread sheet).
- Work experience: Prior work experience is preferred, but not required.
- Other criteria: Academic background, goal statement, student's academic interest, references and availability of faculty and facility resources are also considered as part of the entrance evaluation.

Total Program requirements with this concentration – 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations*, Special Project), this Concentration requires:

Concentration Course Requirements – 18 credit hours

Electives – 6 credit hours

Field Experience – 1 credit hour minimum

*Students who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6096: Fundamentals of Probability " instead of "PHC 6050: Biostatistics I." Students in Track 2 of MPH Foundation Courses should also take PHC 6096: Fundamentals of Probability. 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 6096 Fundamentals of Probability..

Prerequisites (Not included in total program hours) - 6 hours

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

Concentration Course Requirements – 18 hours

PHC 6053	3	Categorical Data Analysis
PHC 6051	3	Biostatistics II
PHC 6060	3	Biostatistics Case Studies and Consulting I
HSC 6055	3	Survival Analysis
PHC 6020	3	Design and Conduct of Clinical Trials
PHC 6057	3	Biostatistical Inference I

Electives - 6 hours

Examples of common elective options

HSC 6054	3	Design and Analysis of Experiments for Health Researchers
HSC 6056	3	Survey Sampling Methods in Health Sciences
PHC 6934	3	Bayesian Data Analysis
PHC 6934	3	Multilevel Data Analysis
PHC 7053	3	Generalized Linear Model
PHC 7056	3	Longitudinal Data Analysis
PHC 6934	1	Base Programming in SAS
PHC 6934	2	Advanced Programming in SAS

Field Experience – 1 hours minimum

PHC 6945 1-3 min Supervised Field Experience (up to 12 credits) –

No experience, or less than two years using biostatistical principles in a work setting: 3 credits minimum. Two or more years' experience using biostatistical principles in a work setting: 1 credit minimum.

ENVIRONMENTAL HEALTH (EVH)**Offered from the Department of Environmental and Occupational Health**

Students in the MPH program in Public Health with a Concentration in Environmental Health gain a broad perspective in the public health sciences and social sciences, and a fundamental education in the technical sciences with an emphasis on the protection and improvement of our environmental and public health. Students enrolled in the MPH program are likely to be recent graduates of a biological science, environmental science or medicine undergraduate program; employees of county or state agencies; in a military education program; or involved in environmental health & safety management with a company. The motivation for an MPH student to complete an advanced degree is to become an environmental scientist or manager; and increased competence as an environmental scientist or manager; or as pre-medical training or an opportunity to take and pass the US medical boards. Many MPH students are now or will become community leaders, for example, as U.S. Armed Services or Public Health Service Officers; as State Health Officers; or as Agency or Laboratory Directors.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- 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: two years experience in environmental health preferred.
- Minimum undergraduate GPA: 3.0
- 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 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 16 credit hours

Electives – 6 credit hours

Field Experience – 1 credit hour minimum

Prerequisites (not included in total hours) - 6 hours

PHC 4101	3	Introduction to Public Health
HSC 4551	3	Survey of Human Diseases

Concentration Requirement - 16 hours minimum

PHC 6301	3	Water Pollution and Treatment
PHC 6310	3	Environmental and Occupational Toxicology
PHC 6303	3	Community Air Pollution
PHC 6512	3	Vectors of Human Disease
PHC 6305	3	Environmental Analytical Lab
PHC 6930	1	Public Health Seminar

Electives - 6 hours minimum

Suggested Electives Related to Environmental Health:

PHC 6523	3	Food Safety
PHC 6510	3	Exotic and Emerging Infectious Diseases
PHC 6934	3	Water Resources Management Principles
PHC 6354	2	Safety and Health Administration
PHC 6353	2	Environmental Toxicology and Risk Assessment
PHC 6313	2	Indoor Environmental Quality
PHC 6422	2	Environmental Health Law
PHC 6934	1	Water & Wastewater Analysis Laboratory

Field Experience – 1 hour minimum

PHC 6945 1-3 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 3 hours minimum. Students with two or more years of professional experience in an environmental health field or as an environmental health educator: 1 hour minimum

EPIDEMIOLOGY (EPY)**Offered from the Department of Epidemiology & Biostatistics**

The MPH program in Public Health with a Concentration in Epidemiology is a professional degree, intended for individuals who wish to obtain a broad understanding of public health, with an emphasis on epidemiologic principles and methods. The knowledge and skills obtained through the program will enable graduates to characterize the health status of communities, critically evaluate research on determinants of health-related events, formulate strategies to evaluate the impact of health related interventions and foster the application of epidemiologic methods for health promotion/disease prevention activities at the community level.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Mathematics, statistics, computer sciences, natural sciences, biology, social sciences, nursing, medicine, dentistry, veterinary medicine, pharmacology, gerontology, allied health professions, environmental health, management information systems.
- Prerequisite undergraduate courses: College algebra, basic computer skills (e.g. operating system, internet, word processing, spread sheet), human structure and function, human health biology. Calculus is recommended.
- Work experience: Prior work experience is preferred, but not required.
- 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 - 44hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 15 credit hours

Electives – 9 credit hours

Field Experience – 1 credit hour minimum

Prerequisites (Not included in total program hours) -6 hours

PHC 4101	3	Introduction to Public Health
HSC 4551	3	Survey of Human Diseases

Concentration Requirements- 15 hours

PHC 6051	3	Biostatistics II
PHC 6010	3	Epidemiology Methods I
PHC 6011	3	Epidemiology Methods II
PHC 6701	3	Computer Applications for Public Health Researchers
PHC 6053	3	Categorical Data Analysis

Electives - 9 hours

For Emphasis Area Support Courses, students will select additional coursework from the following categories:

- 1 Course in Infectious Disease Epidemiology
- 1 Course in Chronic Disease Epidemiology
- 1 Epidemiology or Biostatistics methods course (3 credits)

Field Experience – 1 hour minimum

PHC 6945 1-6 Supervised Field Experience (up to 12 credits)

No experience, or less than two years using epidemiologic principles in a work setting: 3 credits minimum, 6 preferred. Two or more years' experience using epidemiologic principles in a work setting: 1 credit minimum

EPIDEMIOLOGY (ONLINE) (EPO)**Offered from the Department of Epidemiology & Biostatistics**

The MPH program in Public Health with a Concentration in Epidemiology Online is a professional degree, intended for individuals who wish to obtain a broad understanding of public health, with an emphasis on epidemiologic principles and methods. The knowledge and skills obtained through the program will enable graduates to characterize the health status of communities, critically evaluate research on determinants of health-related events, formulate strategies to evaluate the impact of health related interventions and foster the application of epidemiologic methods for health promotion/ disease prevention activities at the community level.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Mathematics, statistics, computer sciences, natural sciences, biology, social sciences, nursing, medicine, dentistry, veterinary medicine, pharmacology, gerontology, allied health professions, environmental health, management information systems.
- Prerequisite undergraduate courses: College algebra, basic computer skills (e.g. operating system, internet, word processing, spread sheet), human structure and function, human health biology. Calculus is recommended.
- Work experience: Prior work experience is preferred, but not required.
- 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 – 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements -15 credit hours

Electives - 9 credit hours

Field Experience - 1credit hour minimum

Prerequisites (Not included in total program hours) -6 hours

PHC 41013 Introduction to Public Health

HSC 45513 Survey of Human Diseases

Concentration Requirements- 15 hours

PHC 60513	Biostatistics II
PHC 60103	Epidemiology Methods I
PHC 60113	Epidemiology Methods II
PHC 67013	Computer Applications for Public Health Researchers
PHC 60533	Categorical Data Analysis

Electives - 9 hours

For Emphasis Area Support Courses, students will select additional coursework from the following categories:

- 1 Course in Infectious Disease Epidemiology
- 1 Course in Chronic Disease Epidemiology
- 1 Epidemiology or Biostatistics methods course (3 credits)

Field Experience -1 hour minimum

PHC 6945 1-6 Supervised Field Experience (up to 12 credits)

No experience, or less than two years using epidemiologic principles in a work setting: 3 credits minimum, 6 preferred. Two or more years' experience using epidemiologic principles in a work setting: 1 credit minimum

EPIDEMIOLOGY AND BIOSTATISTICS (PEB)**Offered from the Departments of Epidemiology and Biostatistics**

This dual concentration program is a professional degree, intended for individuals who wish to obtain a broad understanding of public health, with a strong background in analytical skills and methods. The knowledge and skills obtained through this program will enable graduates to seek positions that characterize the health status of communities, critically evaluate research on determinants of health-related events, formulate strategies to evaluate the impact of health related interventions and foster the application of epidemiologic and biostatistical methods for health promotion/disease prevention activities.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: mathematics, statistics, computer sciences, natural sciences, biological sciences, engineering, medical sciences, environmental sciences, management information systems.
- Prerequisite undergraduate courses: linear algebra, calculus, basic computer skills (e.g. operating system, internet, word processing, spread sheet).
- Work experience: Prior work experience is preferred, but not required.
- Other criteria: Academic background, goal statement, student's academic interest, references and availability of faculty and facility resources are also considered as part of the entrance evaluation.

Total Program requirements with this concentration - 50 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations*, Special Project), this Concentration requires:

Concentration Course Requirements – 24 credit hours

Electives – 6 credit hours

Field Experience – 1 credit hour minimum

* Students who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6096: Fundamentals of Probability " instead of "PHC 6050: Biostatistics I". Students in Track 2 of MPH Foundation Courses should also take PHC 6096: Fundamentals of Probability. 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 6096 Fundamentals of Probability.

Prerequisites (not included in total GPA hours)- 6 hours

- MAC 2311 3 Calculus I
- MAC 1105 3 College Algebra
- Knowledge of Computer and SAS Programming

Concentration Course Requirements - 24 hours

PHC 6051	3	Biostatistics II
PHC 6053	3	Categorical Data Analysis
HSC 6055	3	Survival Analysis
PHC 6020	3	Design and conduct of Clinical Trials
PHC 6010	3	Epidemiology Methods I
PHC 6011	3	Epidemiology Methods II
PHC 6060	3	Case Studies and Collaboration I
PHC 6057	3	Biostatistical Inference I

Electives - 6 hours

For Emphasis Area Support Courses, students will select additional coursework from the following categories:

- 1 Course in Infectious Disease Epidemiology
- 1 Course in Chronic Disease Epidemiology

Field Experience – 1 hour minimum

PHC 6945 1-6 Supervised Field Experience (up to 12 credits)

Must conduct data analysis project with both Epidemiology and Biostatistics features

EPIDEMIOLOGY AND GLOBAL COMMUNICABLE DISEASES CONCENTRATION (EGD)**Offered from the Departments of Epidemiology and Biostatistics, and Global Health**

This dual concentration program is a professional degree, intended for individuals who wish to obtain a solid understanding of public health epidemiological practices, principles and applications, with an emphasis in global communicable disease issues, policies and programs. MPH dual concentration graduates will be prepared for positions in private agencies, non-governmental organizations (NGOs), international, federal and state health agencies that participate in the study of the spread and control of communicable diseases as well as policy and practice involved with the global aspects of epidemiologic issues.

As we face complex issues caused by rapid climate change, population growth, and highly mobile societies, outbreaks of communicable diseases, resulting in morbidity and mortality are an expanding threat to populations worldwide. Graduates from this dual concentration will have the tools to address epidemiologic spread of disease as well as the variety, frequency and location of vector borne and other communicable diseases. This dual program will provide graduates with the skills needed to function effectively in international as well as national and local public health arenas with knowledge of the global impact of communicable disease through epidemiological surveillance, and prevention programs to serve at risk populations.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

Students in this program require 2 advisors; One Epi., One Global Health.

Total Program requirements with this concentration - 55 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project), this Concentration requires:

Concentration Course Requirements – 21 credit hours (12 GCD, 9 EPI)

Electives – 12 credit hours

Field Experience – 3 credit hour minimum

Concentration Requirements-21 hours**Global Comm. Diseases Required Courses – 12 hours**

Students graduating from the Program will receive training within four core domains which are central to the study of Global Communicable diseases:

- Tropical and Emerging Infections
- Microbiology
- Immunology and Genetics and
- Public Health Interventions and Disease Control

Students must take a minimum of 3 credits from within each domain. Course selection will be determined by the student and their advisor based on student interests and career goals.

Domains and examples of course selection

Tropical and Emerging Infections - 3 credits minimum

PHC 6512	3	Vectors of Human Disease
PHC 6510	3	Exotic and Emerging Infectious Disease
PHC 6513	3	Public Health Parasitology
PHC 6516	3	Tropical Diseases

Microbiology 3 credits minimum

PHC 6037	3	Public Health Virology
PHC 6562	3	Microbiology for Healthcare Workers
PHC 7122	3	Vaccinology*

*with instructor consent

Public Health Interventions and Disease Control - 3 credits minimum

PHC 6314	3	Infection Control Program Design
PHC 6514	3	Infectious Disease Control in Developing Countries
PHC 6517	3	Infectious Disease Prev. Strategies
PHC 6251	3	Disease Surveillance and Monitoring
PHC 6934	3	Public Health GIS

Immunology and Genetics -3 credits minimum

PHC 6511	3	Public Health Immunology
PHC 6121	3	Vaccines
PHC 6934	3	Human Genomics in Public Health and Personalized Medicine

Epidemiology Required Courses - 9

PHC 6934	3	Application of Advanced Biostatistical Methods in Public Health OR
PHC 6053	3	Categorical Data Analysis
PHC 6010	3	Epidemiology Methods I
PHC 6701	3	Computer Applications for Health Researchers

(Duplicate)

Electives - 12 hours

Global Health Options - 6

Students will fulfill their Global Health elective credits in consultation with their advisor. It is recommended that students focus on one of the five domains, taking all courses within that domain.

Epidemiology options - 6

- 1 course in Infectious Disease Epidemiology
- 1 course in Chronic Disease Epidemiology
- 1 additional Departmental course from the following areas:
Infectious Disease Epidemiology
Epidemiology Methods or Biostatistics

Field Experience – 3 hours minimum

PHC 6945 3 Supervised Field Experience (up to 12 credits)

Field Experience must be Epidemiologic in content Or Peace Corps Experience.

EPIDEMIOLOGY AND GLOBAL HEALTH (EGH)**Offered from the Departments of Epidemiology & Biostatistics, and Global Health**

In addition to the overall Master of Public Health degree competencies, Epidemiology and Global Health Practice dual concentration graduates will be able to meet the competencies from both the Epidemiology MPH and the Global Health Practice MPH.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

Students in this program require 2 advisors; One Epi., One Global Health.

Total Program requirements with this concentration - 52 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 21 credit hours

Electives – 6 credit hours

Field Experience – 6 credit hour minimum

Concentration Course Requirements - 21 hours

Global Health Required Courses - 12

PHC 6764	3	Global Health Principles and Contemporary Issues
PHC 6761	3	Global Health Assessment Strategies
PHC 6106	3	Global Health Program Development and Administration
PHC 6442	3	Global Health Applications in the Field

Epidemiology Required Courses - 9

PHC 6010	3	Epidemiology Methods I
PHC 6701	3	Computer Applications for Public Health Research
And one of the following:		
PHC 6934	3	Application of Advanced Biostatistical Methods in Public Health OR
PHC 6053	3	Categorical Data Analysis

Electives - 6 hours

Emphasis area options:

PHC 6002	3	Infectious Disease Epidemiology OR
PHC 6011	3	Epidemiology Methods II OR
PHC 6190	3	Public Health Database Management

AND one of the following courses from the Department of Global Health

PHC 6511	3	Public Health Immunology OR
PHC 6513	3	Public Health Parasitology OR
PHC 6512	3	Vectors of Human Disease

Field Experience – 6 hours minimum

PHC 6945 3 Supervised Field Experience (up to 12 credits)

Field Experience must be international and Epidemiologic in content Or Peace Corps Experience. 6 hours minimum

EPIDEMIOLOGY AND MATERNAL AND CHILD HEALTH (EMC) (Dual Concentration)**Offered from the Department of Epidemiology and Biostatistics and the Department of Community and Family Health**

In addition to the overall Master of Public Health degree competencies, Epidemiology and Maternal and Child Health dual concentration graduates will be able to meet the competencies from both the Epidemiology MPH and the Maternal and Child Health MPH.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

.

Students in this program require 2 advisors; One Epi., One Community and Family Health

Total Program requirements with this concentration- 52 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 27 credit hours

Electives – 3 credit hours

Field Experience – 3 credit hour minimum

Concentration Course Requirements- 27 hours

Maternal and Child Health Required Courses – 12

PHC 6530	3	Issues and Concepts in Maternal and Child Health
PHC 6537	3	Case Studies in MCH Programs, Policies, and Research
PHC 6505	3	Program Planning in Community Health
PHC 6197	3	Secondary Data Analysis for Maternal and Child Health

Epidemiology Required Courses - 15

PHC 6010	3	Epidemiology Methods I
PHC 6011	3	Epidemiology Methods II
PHC 6701	3	Computer Applications for Public Health Researchers
PHC 6934	3	Applications in Advanced Biostatistical Methods
PHC 6591	3	Reproductive and Perinatal Epidemiology

Electives - 3 hours

Emphasis Area Support Courses

Choose one of the following:

PHC 6934	3	Special Topics in Child Health
PHC 6532	3	Women's Health Issues in Public Health
PHC 6414	3	Adolescent Health

Field Experience – 3 hours minimum

PHC 6945	3	Supervised Field Experience
----------	---	-----------------------------

EXECUTIVE PROGRAM FOR HEALTH PROFESSIONALS (EPH)

The Executive Weekend MPH program is a unique and customized program to serve the needs of the busy health care practitioner. Past and current students have represented many health care fields and specialties including physicians, nurses, dentists, pharmacists, occupational therapists and many more. This diversity provides students with the opportunity to meet and collaborate with colleagues from other specialties and geographic areas while enhancing the student's ability to work in multi-disciplinary teams. Students gain strategic vision while participating on diverse teams with other students averaging three to 33 years of work experience in public health. Courses in this format are intensive, in-depth and offered one weekend a month on the Tampa campus. Small class sizes guarantee students individual attention and rich face to face interactions with experienced peers and faculty. Due to the customized nature of this program, additional fees are assessed and enrollment is limited. For more information, visit: <http://publichealth.usf.edu/php/home.html>.

Total Program requirements with this concentration - 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours

Electives – 12 credit hours

Field Experience – 1 credit hour minimum

Concentration Course Requirements - 12 hours

PHC 6120 3 Community Partnerships and Advocacy

PHC 6421 3 Public Health Law and Ethics

PHC 6936 3 Public Health Capstone

Choose one of the following:

PHC 6104 3 Management of Public Health Programs

PHC 6146 3 Health Services Planning and Evaluation

Electives - 12 hours

Electives may be courses that apply towards a graduate certificate or from elective options.

Field Experience – 1 hour minimum

PHC 6945 1 Supervised Field Experience (up to 12 credits)

Comprehensive Exam

Part of Public Health Capstone

FOOD SAFETY (FOS)**Offered from the Department of Environmental and Occupational Health**

Public health professionals play a pivotal role in preventing foodborne disease. As such, they require unique skills in food safety risk management. Their role will become increasingly important as the world's population steadily climbs to an estimated 9.6 billion by 2050, and as food supply chain becomes highly global. Students in the MPH program will gain a broad prospective in the public health sciences and technical experience in food safety emphasizing competencies in understanding foodborne hazards, controlling these through science-based food safety risk assessment and management, and developing effective food safety public health policies. Advance degree graduates with experience in both food safety and public health will be effective leaders for food companies, government agencies, and NGOs.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: biological or chemical science.
- Prerequisite undergraduate courses: None required. Knowledge of Excel spreadsheets preferred.
- Work experience: None required.
- Minimum undergraduate GPA: 3.0
- 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 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours

Electives – 9 credit hours

Field Experience – 2 credit hours minimum

Concentration Course Requirements- 12 hours minimum

PHC 6522	3	Nutrition in Health and Disease
PHC 6520	3	Foodborne Diseases
PHC 6515	3	Food Safety
PHC 6353	3	Environ. Toxicology and Risk Assessment

Electives - 9 hours minimum

Suggested Electives Related to Food Safety:

PHC 6307	3	Principles of Exposure Assessment
PHC 6521	3	Public Health Nutrition
BSC 6932	3	Food Microbiology
ANG 6145	3	Ancient Diets
ANG 6566	3	Nutritional Anthropology
PHC 6310	3	Environ. and Occupational Toxicology
PHC 6251	3	Disease Surveillance and Monitoring
PHC 6562	3	Microbiology for Healthcare Workers

Field Experience – 2 hours minimum

PHC 6945 2-3 Supervised Field Experience (up to 12 credits)

GLOBAL COMMUNICABLE DISEASES (TCD)**Offered from the Department of Global Health**

This concentration provides an opportunity for science-oriented students with an interest in communicable diseases to receive specialized training in the recognition, identification, diagnosis, surveillance, control, and prevention of public health problems related to communicable diseases throughout the world, with particular emphasis on the problems of Florida and underdeveloped nations.. Preference for admission is given to students with a background or demonstrated skills in the biological sciences. Prerequisites may be required.

Students graduating from the program will receive training within five core domains which are central to the study of global communicable disease: 1) Tropical and Emerging Infections 2) Microbiology 3) Immunology and Genetics and 4) Public Health Interventions and Disease Control and 5) Applied Global Communicable Diseases. In addition to the MPH Core Courses students will be required to take a minimum of one course from within each domain. Students will then work with their faculty advisor to select a more narrow focus for elective course offerings. It is anticipated that students will take all of the courses within their specific domain of interest.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Biology, Zoology, Microbiology, Immunology
- Prerequisite undergraduate courses: None. Suggested undergraduate courses include general chemistry with laboratory, biology or zoology with laboratory, microbiology with laboratory, biochemistry with laboratory, immunology
- Work experience: None
- 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

Total Program requirements with this concentration – 46 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –15 credit hours

Electives – 9 credit hours

Field Experience – 3 credit hours minimum

Pre-requisites (Not included in program total hours) - 3 hours

Public health course prerequisite:

HSC 4551 3 Survey of Human Diseases OR Equivalent education or work experience.

Concentration Course Requirements - 15 hours

Students must take a minimum of 3 credits from within each domain. Course selection will be determined by the student and their advisor based on student interests and career goals.

Domains and examples of course selection

Tropical and Emerging Infections - 3 credits minimum

PHC 6512	3	Vectors of Human Disease
PHC 6510	3	Exotic and Emerging Infectious Disease
PHC 6513	3	Public Health Parasitology
PHC 6516	3	Tropical Diseases

Microbiology- 3 credits minimum

PHC 6037	3	Public Health Virology
PHC 6562	3	Microbiology for Healthcare Workers
PHC 7935	3	Vaccinology*

*with instructor consent

Public Health Interventions and Disease Control- 3 credits minimum

PHC 6314	3	Infection Control Program Design
PHC 6514	3	Infectious Disease Control in Developing Countries
PHC 6517	3	Infectious Disease Prev. Strategies
PHC 6251	3	Disease Surveillance and Monitoring
PHC 5933	3	Intro to GIS

Immunology and Genetics and - 3 credits minimum

PHC 6511	3	Public Health Immunology
PHC 6121	3	Vaccines
PHC 6601	3	Human Genomics in Medicine and Public Health

Applied Global Communicable Diseases - 3 credits minimum

PHC 6561	3	Lab Techniques in Public Health
PHC 6560	3	The Public Health Lab System
PHC 6934	3	Public Health GIS

Electives - 9 hours

Examples of common elective options.

Students will fulfill their Global Health elective credits in consultation with their advisor. It is recommended that students focus on one of the five domains, taking all courses within that domain.

Field Experience – 3 hours minimum

PHC 6945	3	Supervised Field Experience (up to 12 credits)
----------	---	--

GLOBAL DISASTER MANAGEMENT, HUMANITARIAN RELIEF AND HOMELAND SECURITY (GHH)**Offered from the Department of Global Health**

The field of disaster management, and humanitarian relief and homeland security plays an important role in global health, especially in areas of armed conflict and natural disasters. With the increase in weapons of mass destruction, including nuclear and biological threats from terrorist groups and radical states, the need for formal training and education has increased. Local and international organizations, governments and United Nation agencies are in need of highly trained professionals to manage and direct programs to reduce both the homeland and global public health threats that continue to plague us. Where and when the next tsunami or earthquake will strike, or how the next terrorist group will respond is unknown. But the logic behind professionally mitigating and preparing for one of these incidences places us in a stronger position to respond.

This concentration builds on the existing framework of the College of Public Health core courses, field experience and special project. Combining this framework with the disaster management, humanitarian and homeland security courses will provide graduates with the ability to recognize, assess, implement and evaluate a global or local disaster.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Science, engineering, management, administration, international, business, public health
- Work experience: None required; however, disaster management, humanitarian assistance or homeland security, especially in a global setting, will be considered when determining the number of credits required for the Field Experience.
- Other criteria: Two letters of recommendation
- Applicants that completed courses in either the Graduate Certificate in Disaster Management, in Humanitarian Assistance or Homeland Security as a former non-degree seeking student may only transfer 12 credits into the M.P.H. program.

Total Program requirements with this concentration - 46 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –24 credit hours

Field Experience – 3 credit hours minimum

Concentration Course Requirements - 24 hours

General Courses (9 hours)

PHC 6230	3	Foundations of Humanitarian Assistance
PHC 6183	3	Overview of US & International Disaster Management
PHC 6234	3	Public Health Implications and Concerns in Homeland Security

Choose five courses from the following (15 hours)

Disaster Management

PHC 6185	3	Disaster Preparedness & Planning Concepts
PHC 6184	3	Disaster Recovery
PHC 6186	3	Public Health Emergencies in Large Populations

Humanitarian Assistance

PHC 6231	3	Organizing Emergency Humanitarian Action
PHC 6232	3	From Emergency to Development and Prevention
PHC 6233	3	Current Challenges in the Humanitarian Field

Homeland Security

PHC 6235	3	Critical Infrastructure Protection for Public Health Concepts
PHC 6236	3	Business Continuity for Global Health and Security
PHC 6237	3	Homeland Security: Law, Policy, and Public Health
PHC 6373	3	Protecting Public Health: Bioterrorism and Biodefense

Field Experience – 3 hours minimum

PHC 6945 3-6 Supervised Field Experience (up to 12 credits)

GLOBAL HEALTH PRACTICE (GLO)**Offered from the Department of Global Health (Fall term admission only)**

This concentration will prepare students for achieving a professional position in the field of international public health, such as with international, bilateral, governmental and non-governmental agencies. The curriculum focuses on assessment and intervention strategies useful in resolving health problems of primarily undeveloped countries. Global Health Practice students have an opportunity to select courses that focus on areas such as epidemiology, maternal and child health, management and socio-cultural health. Students who choose to combine this program with the Peace Corps Master's International program will be able to obtain a long-term field placement experience that will enhance their marketability for employment.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: none
- Work experience: not required
- An MCAT Mean of 8 may be substituted for the GRE
- Other criteria: Minimum technology requirements include intermediate computer skills, two letters of recommendation, resume, and goal statement.

Total Program requirements with this concentration - 49 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours

Electives – 12 credit hours

Field Experience – 6 credit hours minimum

Concentration Course Requirements - 12 hours

PHC 6764	3	Global Health Principles and Contemporary Issues
PHC 6761	3	Global Health Assessment Strategies
PHC 6106	3	Global Health Program Development and Administration
PHC 6442	3	Global Health Applications in the Field

Electives - 12 hours

Courses not included on the list below may be approved by the student's advisor.

PHC 6111	3	Global Primary Health Care Strategies
PHC 6146	3	Health Services Planning and Evaluation
PHC 6147	3	Managing Quality in Health Care
PHC 6511	3	Public Health Immunology
PHC 6512	3	Vectors of Human Disease
PHC 6513	3	Public Health Parasitology
PHC 6074	3	Epidemiology of Diseases of Major Public Health Importance
PHC 6700	3	Research Methods in Epidemiology
PHC 6934	3	Intermediate Infectious Disease Epidemiology
PHC 6535	3	International Maternal and Child Health
PHC 6765	3	International Health Education
PHC 6536	3	Population and Community Health
PHC 6532	3	Women's Health Issues in Public Health
PHC 6121	3	Vaccines
PHC 6726	6	Community-Based Participatory Research for Tropical Health
PHC 6518	3	EcoHealth & the Ecology of Tropical Infectious Diseases

Field Experience – 6 hours minimum

PHC 6945 6 Supervised Field Experience (up to 12 credits)
(eight weeks abroad)

HEALTH CARE ORGANIZATIONS AND MANAGEMENT (HCO)**Offered from the Department of Health Policy and Management**

The Health Care Organizations and Management program is designed for individuals interested in the management of hospitals, group practices, health departments, and other provider organizations. The program focuses on the structure and management of health care organizations. Students develop knowledge and skills in management science, leadership, and decision-making. The curriculum does not require students to develop all health administration quantitative and analytic skill areas typically required of senior management positions.

Concentration Admission Requirements:

In addition to the Program Admission requirements, applicants must have the following:

- Prerequisite undergraduate courses: Microeconomics or equivalent (prerequisite must be completed prior to enrolling in PHC 6430 Health Economics I) and Accounting (prerequisite must be completed prior to enrolling in PHC 6160 Health Care Financial Management) Undergraduate majors are diverse and include: Life sciences, social sciences, business, or health professions.
- Work experience: Preferred, but not required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum requirements)
- Verbal GRE Score: 50th percentile preferred
- Quantitative GRE Score: 50th percentile preferred
- 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 MHA, or MPH.

Total Program requirements with this concentration - 42 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –18 credit hours

Electives – 4 credit hours minimum

Field Experience – 1 credit hour minimum

Concentration Course Requirements- 18 hours minimum

PHC 6151	3	Health Policy and Politics
PHC 6180	3	Health Services Management
PHC 6430	3	Health Economics I
PHC 6160	3	Health Care Financial Management

Additional Requirements (choose two)

PHC 6181	3	Org Behavior in Health Services
PHC 6148	3	Strategic Planning & Hlth Care Marketing
PHC 6196	3	Info Systems in Health Care Mgt

Electives - 4 hours minimum

Examples of common elective options:

PHC 6146	3	Health Services Planning and Evaluation
PHC 6147	2	Managing Quality in Health Care
PHC 6435	3	Perspectives on Health Insurance
PHC 6420	3	Health Care Law, Regulation and Ethics

Field Experience – 1 hour minimum

PHC 6945 1-3 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 3 hours minimum. Students with relevant professional experience: 1-3 hours minimum. Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization.

HEALTH POLICIES AND PROGRAMS (HPP)**Offered from the Department of Health Policy and Management**

The MPH in Public Health Program with a Concentration in Health Policy and Programs is designed for individuals interested in development, analysis and evaluation of public policy for health services and public health programs. Students develop knowledge of theory and methods in policy analysis and program evaluation. Students are prepared to pursue policy analyst and program evaluation positions with federal, state or local agencies or with professional associations.

Concentration Admission Requirements:

In addition to the Program Admission requirements, applicants must have the following:

- Prerequisite undergraduate courses: Microeconomics or equivalent (prerequisite must be completed prior to enrolling in PHC 6430 Health Economics I) Undergraduate majors are diverse and include: Life sciences, social sciences, business, or health professions.
- Work experience: Preferred, but not required.
- Minimum undergraduate GPA: 3.00 upper division
- Verbal GRE Score: 50th percentile preferred
- Quantitative GRE Score: 50th percentile preferred
- 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 MHA or MPH.

Total Program requirements with this concentration - 42 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –15 credit hours

Electives – 7 credit hours minimum

Field Experience – 1 credit hour minimum

Concentration Course Requirements - 15 hours minimum

PHC 6151	3	Health Policy and Politics
PHC 6430	3	Health Economics I
PHD 6760	3	Research Methods in Public Health Programs

Choose one of the following:

PHC 6420	3	Health Care Law, Regulation, and Ethics
PHC 6421	3	Public Health Law & Ethics

Additional Requirements (choose one of the following)

PHC 6063	3	Public Health Data, Information & Decision Making
PHC 6435	3	Comparative Health Insurance Systems

Electives - 7 hours

Examples of common elective options

PHC 6104	3	Management of Public Health Programs
PHC 6148	3	Strategic Planning and Health Care Marketing

Field Experience – 1 hour minimum

PHC 6945 1-3 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 3 hours minimum. Students with relevant professional experience: 1 hour minimum. Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization

HEALTH, SAFETY AND ENVIRONMENT (HLE)

Offered from the Department of Environmental and Occupational Health

Total Program requirements with this concentration - 43 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –16 credit hours

Electives – 5 credit hour minimum

Field Experience – 3 credit hour minimum

Concentration Course Requirements - 16 hours minimum

PHC 6307	3	Principles of Exposure Assessment and Control
PHC 6300	3	Principles of Environmental Health
PHC 6325	3	Environmental Laboratory Principles
PHC 7931	1	Interdisciplinary Seminar: Case studies in EOH
and 2 of the following 3 courses:		
PHC 6345	3	HSE Management and Administration
PHC 6355	3	Principles of Occupational Safety
PHD 6326	3	Global Issues in Environmental Health

Electives - 5 hours

Approved electives: Other electives may be approved by the assigned advisor.

PHC 6310	3	Environmental and Occupational Toxicology
PHC 6353	2	Environmental Toxicology Risk Assessment
PHC 6350	3	Occupational Toxicology and Risk Assessment
PHC 6515	3	Food Safety
PHC 6186	3	Public Health Emergencies in Large Populations

Field Experience – 3 hour minimum

PHC 6945	3	Supervised Field Experience (up to 12 credits)
----------	---	--

INFECTIOUS CONTROL (IFC)

Offered from the Department of Global Health

Total Program requirements with this concentration - 46 hours

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –18 credit hours

Electives – 6 credit hour minimum

Field Experience – 3 credit hour minimum

Concentration Course Requirements - 18 hours minimum

PHC 6251	3	Disease Surveillance and Monitoring
PHC 6562	3	Microbiology for Healthcare Workers
PHC 6517	3	Infectious Disease Prevention Strategies
PHC 6314	3	Infection Control Program Design
PHC 6186	3	Public Health Emergencies in Large Populations

An additional concentration course will be included from the College of Public Health; student must choose one from the two courses listed below:

PHC 6002 3 Infectious Disease Epidemiology
OR
PHC 6190 3 Public Health Database Management
Depending upon student assessment results

Electives - 6 hours

Electives from within the College of Public Health, based upon student assessment, and approved by assigned advisor: Examples include but are not limited to the following:

CFH PHC 6530 Maternal and Child Health I: Issues and Concepts
EOH PHC 6307 Exposure Assessment and Control
EOH PHC 6355 Principles of Occupational Safety
EOH PHC 6350 Occupational Toxicology and Risk Assessment
EOH PHC 6373 Protecting Public Health: Bioterrorism and Biodefense
EOH PHC 6556 Pathobiology of Human Disease I
EPB PHC 6074 Epidemiology of Diseases of Major Public Health Importance
EPB PHC 6591 Reproductive and Perinatal Epidemiology
HPM PHC 6104 Management of Public Health Programs
HPM PHC 6110 International Health and Health Care Systems
HPM PHC 6063 Public Health Data, Information and Decision Making

Field Experience – 3 hour minimum

PHC 6945 3 Supervised Field Experience (up to 12 credits)

MATERNAL AND CHILD HEALTH (PMC)

Offered from the Department of Community and Family Health

The MPH in Public Health with a Concentration in Maternal and Child Health prepares health professionals and individuals in related fields for leadership roles in community based organizations that focus on major public health problems of women, children and families, especially among culturally diverse and underserved populations. Using multidisciplinary approaches, students develop analytical, advocacy, programmatic and evaluative skills to address health disparities, and to emphasize health promotion and disease prevention among populations in need.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from the health sciences such as nursing, social work, counseling, pre-med, the natural sciences are desirable.
- Work experience: Work experience in the field of public health, health or natural sciences, counseling, communications, social work, etc. is considered extremely desirable.
- Minimum undergrad GPA: 3.0 in upper division courses
- GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile
- Other criteria: Three letters of recommendation from academic and/or related professional sources, career goals statement

Total Program requirements with this concentration - 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –16 credit hours
Electives – 6 credit hour minimum
Field Experience – 3 credit hour minimum

Concentration Course Requirements - 16 hours

PHC 6530	3	Issues and Concepts in Maternal and Child Health I
PHC 6537	3	Case Studies in Maternal and Child Health Programs, Policies & Research
PHC 6197	3	Secondary Data Analysis in Maternal and Child Health
PHC 6505	3	Program Planning in Community Health
PHC 6724	1	Synthesizing Public Health Research
PHC 6708	3	Evaluation and Research Methods in Community Health

Electives - 6 hours**Examples of common elective options**

PHC 6523	3	Policies and Practices in Maternal and Child Nutrition
PHC 6532	3	Women's health Issues in Public Health
PHC 6590	3	Reproductive Health Trends and Issues
PHC 6535	3	International Maternal and Child Health
PHC 6414	3	Adolescent Health
PHC 6934	3	Selected Topics in Maternal Child Health

Field Experience – 3 hour minimum

PHC 6945 3-6 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 6 hours minimum. Students with relevant professional experience: 3 hours minimum. An expectation of 2-3 years of experience in an MCH-related clinical background or agency constitutes the term "previous professional experience" worthy of lesser field experience. Documentation required if less than 6.

Nutrition and Dietetics (NUD)**Offered from the Department of Community & Family Health**

The MPH in Public Health with a Concentration in Nutrition and Dietetics is offered by the Department of Community and Family Health. This concentration examines medical nutrition therapy, nutrition education, community practice and program evaluation, management and leadership, ethical standards and practice, and theoretical frameworks and models. Students who complete the concentration in Nutrition and Dietetics, in conjunction with an ACEND accredited dietetic internship and successfully passing the registration exam for dietitian, can practice as dietitian multiple areas of population health.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Acceptance into an ACEND accredited dietetic internship or a registered dietitian.
- Minimum undergraduate GPA 3.0 in upper division course work
- GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile
- Three letters of recommendation from academic and/or related professional sources.

Total Program Requirements with this concentration - 43 hours minimum

This Concentration requires:

Core Requirement – 16 credit hours

Concentration Course Requirements – 15 credit hours

Field Experience – 9 credit hours (dietetic interns)/ 3 credit hours (dietitians)

Special Project – 3 credit hours

Electives – 0 credit hours (dietetic interns)/ 6 credit hours (dietitians only)

Concentration Course Requirements - 15 hours minimum

DIE 6127*	2	Leadership & Management in Nutrition
DIE 6248*	3	Advanced Clinical Nutrition
HUN 5265*	1	Nutritional Assessment
PHC 6521*	3	Public Health Nutrition
PHC 6522	3	Biological Role of Nutrition in Health
HUN 6804*	3	Research Methods in Nutrition & Dietetics

**Proposed Course Number*

Electives - 6 hours minimum (dietitians only)

(Examples of common elective options)

PHC 6411	3	Introduction to Social Marketing
PHC 6500	3	Theoretical and Behavioral Basis for Health Ed
PHC 6505	3	Program Planning in Community Health
PHC 6507	3	Health Education Intervention Methods
PHC 6708	3	Evaluation & Research Methods in Comm Health
PHC 6530	3	Issues and Concepts in Maternal and Child Health
PHC 6520	3	Foodborne Diseases
PHC 6515	3	Food Safety

Field Experience – 9 credit hours (dietetic interns)/ 3 credit hours (dietitians)

PHC 6945 3-9 min Supervised Field Experience up to 12 credits) –

Students with little or no professional experience (dietetic interns) - 9 hours minimum in clinical, community and foodservice practice. Students with relevant professional experience -3 hours minimum. Professional experience defined as at least 2 years of work as a registered dietitian.

Special Project 3 credit hours

PHC 6977 Special project synthesis didactic work and applies to an area of interest/need in practice setting identified by student with agreement from program director and field supervisor.

OCCUPATIONAL HEALTH (OCC)⁴**Offered from the Department of Environmental and Occupational Health**

Note: The MPH in Public Health with a Concentration in Occupational Health is only available to dual MS Nursing Students or qualified health professionals.

The principal concerns of the occupational health professional are: the worker; the work environment and chemical, physical, and ergonomic and biological agents in the workplace. The curriculum is interdisciplinary in nature and scope, addressing topics in these broad areas. The MPH in Public Health with a Concentration in Occupational Health is a 45 credit program designed for either physicians in practice who are interested in the residency but can not spend 2 years away from their practice (They complete their MPH first while maintaining their practice and then spend only 1 year in the clinical residency program), or for other practicing health professionals.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: A clinical degree required e.g. medicine, nursing, physical therapy, occupational therapy
- Prerequisite undergraduate courses: Science related courses used in preparation for clinical professional degree
- Work experience: Two years of clinical experience preferred
- Minimum undergrad GPA: 3.0 in last 60 hours of undergraduate degree
- Other criteria: Two letters of recommendation, computer skills, resume, goal statement

⁴ Only available to dual M.S. Adult Nursing Students

Total Program requirements with this concentration - 43 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –13 credit hours
 Electives – 10 credit hour minimum
 Field Experience – 1 credit hour minimum

Note: NGR 6638 Health Promotion Theories and Strategies Across the Lifespan will substitute for the PHC 6410 core course for dual nursing MS/MPH students. During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Course Requirements - 13 hours

PHC 6356	2	Industrial Hygiene
PHC 6423	2	Occupational Health Law
PHC 6351	3	Occupational Medicine for Health Professionals
PHC 6360	2	Safety Management Principles and Practice
PHC 6354	2	Occupational Health and Safety Administration
PHC 6364	2	Industrial Hygiene Aspects of Plant Operations

Electives - 10 hours

Examples of common elective options:

PHC 7019	3	Occupational Epidemiology
PHC 6180	3	Health Services Management
ENV 5345	3	Solid Waste Control
PHC 6422	2	Environmental Health Law

Electives for Dual Nursing MS/MPH (Nursing Courses counting toward MPH) - 8 hours**Nursing Courses counting toward MPH**

NGR 6650	2	Occupational Health Nursing I
NGR 6651	2	Occupational Health Nursing II
NGR 6152	4	Advanced Physiology and Pathophysiology

Field Experience – 1 hour minimum

PHC 6945 1-6 Supervised Field Experience (up to 12 credits)

(Dual Nursing M.S./M.P.H. take PHC 6291 instead)

Students with little or no professional experience (one year or less) in occupational health: at least three credits, preferably 6 credits minimum. Students with relevant professional experience: 1 hour minimum. Dual Nursing M.S./M.P.H. Students Only: PHC 6291 Health Management of Adults and Older Adults: Special Topics- Occupational Health Nursing - 6

OCCUPATIONAL HEALTH FOR NURSES (OCP)

Offered from the Department of Environmental and Occupational Health

Total Program requirements with this concentration - 42 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –17 credit hours
 Field Experience – 6 credit hour minimum

Concentration Course Requirements - 17 hours

PHC 6356	2	Industrial Hygiene
PHC 6423	2	Occupational Health Law
PHC 6351	3	Occupational Medicine for Health Professionals
PHC 6360	2	Safety Management Principles and Practice
PHC 6354	2	Occupational Health and Safety Administration
PHC 6364	2	Industrial Hygiene Aspects of Plant Operations

Nursing Courses Counting Toward MPH

NGR 6650	2	Occupational Health Nursing I
NGR 6651	2	Occupational Health Nursing II

Field Experience – 6 hour minimum

PHC 6945	6	Supervised Field Experience (up to 12 credits) (Occupational Health Nursing)
----------	---	---

OCCUPATIONAL SAFETY (SFM)**Offered from the Department of Environmental and Occupational Health**

The Occupational Safety Concentration is intended for students with backgrounds in science or engineering seeking a professional public health career in occupational safety. In addition to core public health courses, the program builds upon a variety of courses enabling the student to recognize, evaluate and control existing and potential safety hazards due to faulty equipment, process design, chemical storage and handling. Students are trained to apply these safety principles in assessing engineering controls, personal protective techniques, administrative practices, conducting facility audits and to know when to consult with other environmental and occupational health and safety professionals to prevent or control work related injuries, illnesses or discomfort in the workplace. The program is a collaborative effort between the College of Public Health and the College of Engineering.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: science, engineering, technology and management.
- Prerequisite undergraduate courses: No specific courses, however 60 credit hours of science, mathematics, engineering and technology with at least 15 credit hours in upper division classes.
- Work experience: None required; however occupational work experience is beneficial.
- Other criteria: Two Letters of recommendation

Total Program requirements with this concentration - 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –20 credit hours

Electives – 4 credit hour minimum

Field Experience – 1 credit hour minimum

Concentration Course Requirements - 20 hours

PHC 6356	2	Industrial Hygiene
PHC 6310	3	Environmental and Occupational Toxicology
PHC 6361	2	Industrial Ergonomics
PHC 6354	2	Safety and Health Administration
PHC 6423	2	Occupational Health Law
EIN 6215	3	Engineering System Safety
EIN 6216	3	Occupational Safety Engineering
PHC 6360	2	Safety Management Principles and Practice
PHC 6930	1	Public Health Seminar

Electives - 4 Hours

PHC 6303	3	Community Air Pollutions
PHC 6350	3	Occupational Toxicology and Risk Assessment
PHC 6351	2	Occupational Medicine for Health Professionals
PHC 6422	2	Environmental Health Law
PHC 6364	2	Industrial Hygiene Aspects of Plant Operations
INP 6056	3	Industrial/Organizational Psychology
INP 7937	3	Occupational Health Psychology

Field Experience – 1 hour minimum

PHC 6945 1-3 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 3 hours minimum. Students with relevant professional experience: 1 hour minimum working in or associated with an occupational health and safety function with orientation in the recognition, evaluation and control of occupational hazards and disease for at least a year.

Comprehensive Exam

In addition to the Comprehensive Exam required by the College, there is a Concentration Exam (no credit, 2 credit hours enrollment requirement).

Concentration Exam (no credit, 2 credit hours enrollment requirement)

PUBLIC HEALTH ADMINISTRATION (PHA)**Offered from the Department of Health Policy and Management**

The MPH in Public Health Administration program is designed for individuals interested in pursuing leadership and administrative positions in public health agencies or programs or in other initiatives focused on population health. The curriculum centers on management principles and methods to advance the health of communities. Students develop knowledge and skills in public health, management and planning, law and ethics, and financial management.

Concentration Admission Requirements:

In addition to the Program Admission requirements, applicants must have the following:

- Undergraduate majors are diverse and include: Life sciences, social sciences, business, or health professions.
- Prerequisite undergraduate course: Accounting (prerequisite must be completed prior to enrollment in PHC 6160 Health Care Financial Management)
- Work experience: Two years of full-time, meaningful work experience in a health care or related organization are required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum requirements)
- Verbal GRE Score: 50th percentile preferred
- Quantitative GRE Score: 50th percentile preferred
 - In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT core of 500 for the MHA or MPH.

Total Program requirements with this concentration - 42 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –14 credit hours

Electives – 8 credit hour minimum

Field Experience – 1 credit hour minimum

Concentration Course Requirements - 14 hours minimum

PHC 6146	3	Health Services Planning and Evaluation
PHC 6147	2	Managing Quality in Health Care
PHC 6160	3	Health care Financial Management
PHC 6421	3	Public Health Law and Ethics
PHC 6063	3	Public Health Data, Informaton and Decision Making

Approved Electives - 8 hours

Field Experience – 1 hour minimum

PHC 6945 1-3 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 3 hours minimum. Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision making) in a health care or related organization

PUBLIC HEALTH EDUCATION (PHN)**Offered from the Department of Community and Family Health**

Health educators, using health promotion principles, assist individuals and communities in the adoption and maintenance of healthy lifestyles. This MPH program prepares health educators to collect and analyze data to identify diverse community needs prior to planning, implementing, monitoring and evaluating health promotion programs; communicate health and health promotion needs; and plan, implement and evaluate health promotion programs using ethical standards and theoretical frameworks and models. The curriculum helps students acquire relevant theoretical and practical knowledge in diverse fields of endeavor, such as the social and behavioral sciences, communication dynamics, educational theory and design, and community organization. Students who complete a degree in public health education are eligible to sit for the national Certified Health Education Specialist (CHES) examination.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from nursing, the natural sciences, psychology, sociology, anthropology, and education are desirable.
- Work experience: Work experience in the field of public health and health education is appropriate, but not necessary.
- Minimum undergrad GPA - 3.0 GRE preferred minimum: 58th verbal percentile, 25th quantitative percentile
- Three letters of recommendation from academic and/or related professional sources.
- Career goal statement

Total Program requirements with this concentration - 46 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –18 credit hours

Electives – 3 credit hours minimum

Field Experience – 6 credit hours minimum

Concentration Course Requirements - 18 hours

HSC 5036	1	Professional Foundations of Health Ed
PHC 6500	4	Theoretical and Behavioral Basis for Health Ed
PHC 6505	3	Program Planning in Community Health
PHC 6507	3*	Health Education Intervention Methods
PHC 6724	1	Synthesizing Public Health Research
PHC 6412	3	Health Disparities and Social Determinants
PHC 6708	3	Evaluation and Research Methods in Community Health

Health Education Support/Elective – 3 hours minimum

Examples of common elective options

HSC 5036	1	Professional Foundations
PHC 6580	3	Prevention and Control of Unintentional Injuries
PHC 6193	3	Qualitative Methods in Community Health Research
PHC 6411	3	Introduction to Social Marketing for Public Health
PHC 6414	3	Adolescent Health
PHC 6500	4	Theoretical and Behavioral Basis for Health Ed
PHC 6506		Community Health Education

PHC 6507	3*	Health Education Intervention Methods
PHC 6533		Health Program Development and Change Process
PHC 6705	3	Formative Research Methods in Social Marketing
PHC 6725	3	Focus Group Research Strategies
PHC 6708	3	Evaluation Methods in Community Health
PHC 6715	3	Research Foundations in Public Health
PHC 6934	1-6	Health Message Design in Public Health

*Students must take PHC 6500 and PHC 6505 prior to PHC 6507

Field Experience – 6 hour minimum

PHC 6945 6 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 6 hours minimum. Students with relevant professional experience: minimum 6 hours; in this case we try to find field experience in which the student lacks experience

PUBLIC HEALTH PRACTICE (PHP)^{5,6}

Offered as a College Wide Program

The Master of Public Health with a Concentration in Public Health Practice is a college-wide interdisciplinary program designed to prepare experienced health professionals to assume leadership roles as members of multidisciplinary teams so that they are able to develop, implement, and evaluate programs that have an impact on the health of the public. The Public Health Practice MPH provides a broad spectrum of skills and knowledge important for effective health professionals working in public health settings. Students in the program will gain skills related to: public health practice; epidemiology; program analysis and inference from data; development of programs that take into account cultural, social, economic, ethical and legal factors; community-based health policy and program planning; and budgeting and management.

The MPH in Public Health with a Concentration in Public Health Practice is offered in two formats: Online MPH Program via distance learning and Executive Weekend MPH program. The Online MPH via distance learning is primarily intended for off-campus students who are unable to come to campus for their education. The Executive MPH Program is a unique and customized weekend program to serve the needs of the busy health care practitioner. Classes in this format are offered one weekend a month. Each program has specialized staff to assist students. The program includes:

- Five core discipline areas (Biostatistics, Environmental Health Sciences, Epidemiology, Health Policy Management, and Social and Behavioral Sciences)
- An integrated interdisciplinary, cross-cutting set of overall competency domains (Communication and Informatics, Diversity and Culture, Leadership, Professionalism, Program Planning, Public Health Biology, and Systems Thinking)

Online MPH via Distance Learning

The Online MPH via Distance Learning offers a convenient and affordable avenue for off-campus health care professionals to earn a Master's degree through distance learning. The courses in the Online MPH in Public Health Practice are delivered using web-based technologies. With the help of skilled instructional designers, faculty create course content that is delivered using multimedia technologies such as the Internet, DVDs, CDs, videotape, streaming media, web-based tutorials, and so on. Faculty within these courses utilize email, web conferencing, discussion forums and virtual chat features to enhance instruction. Students can complete almost all degree requirements for the online MPH with minimal on-campus requirements of no more than one calendar week. Courses are available in the online format in the Fall, Spring and Summer semesters. The time required to complete the online MPH program ranges from approximately 2.5 to 5 years, depending on time of entry into the program, course sequence and availability, as well as student circumstances and academic status. Students must meet certain technology requirements and are required to pay a technology fee to participate in all online courses.

Total Program requirements with this concentration – 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours

⁵ Requires 3 years of health-related experience

⁶ Offered (1) executive program and (2) online

Electives –12 credit hours minimum

Field Experience – 1 credit hour minimum

Concentration Course Requirements - 12 hours

PHC 6120 3 Community Partnerships and Advocacy

PHC 6421 3 Public Health Law and Ethics

PHC 6936 3 Public Health Capstone

Choose one of the following:

PHC 6104 3 Management of Public Health Programs

PHC 6146 3 Health Services Planning and Evaluation

Electives - 12 hours

Electives may be courses that apply towards a graduate certificate or from elective options.

Field Experience – 1 hour minimum

PHC 6945 1 Supervised Field Experience (up to 12 credits)

Comprehensive Exam

Part of Public Health Capstone

SOCIAL MARKETING (SOM)

Offered in the Department of Community and Family Health

Social Marketing integrates marketing concepts with other public health approaches to design products, promote policies, and influence behaviors for the greater social good. This MPH concentration equips students with the public health and social marketing skills needed to tackle complex health problems by applying marketing principles and social change tools to design, implement, and evaluate behavioral interventions and policy changes. The curriculum trains students in marketing and social change theoretical models, formative research skills, program management skills, program evaluation techniques, and ethical principles that guide social marketers. The program may be completed exclusively online or as a blend of courses offered on the Tampa campus and online.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

1. Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from nursing, the natural sciences, psychology, sociology, anthropology, marketing, and education are desirable.
2. Work experience: Work experience in the field of public health and social marketing is appropriate, but not necessary.
3. Minimum undergrad GPA - 3.0
4. Verbal GRE score: minimum 500 (153 on new ETS scale)
5. Quantitative GRE score: minimum 550 (146 on new ETS scale)
6. Three letters of recommendation from academic and/or related professional sources.
7. Career goal statement

Total Program requirements with this concentration - 43 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours

Electives –9 credit hours minimum

Field Experience – 3 credit hours minimum

Concentration Course Requirements -12 hours

PHC 6411 3 Introduction to Social Marketing

PHC 6705 3 Formative Research in Social Marketing

PHC 6460 3 Social Marketing Program Management

PHC 6461 3 Advanced Social Marketing

Electives - 9 hours

Field Experience – 3 hour minimum

PHC 6945 3 Supervised Field Experience (up to 12 credits)

SOCIO-HEALTH SCIENCES (SHS)

Offered from the Department of Community and Family Health

The MPH in Public Health with a Concentration in Socio - Health Sciences prepares students to apply the concepts and methods from social and behavioral sciences to public health research and practice in the areas of community needs assessment, analysis of the socio-behavioral context of health, development of culturally competent programs, evaluation of intervention outcomes, and formulation of social policies affecting health. Graduates are prepared for careers in public health agencies, educational settings, social and family services, private voluntary organizations, research and consulting firms, and health-related industries. Examples of focus areas include social determinants of health, ethnographic and qualitative research, health needs of special populations, and community-based interventions.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from the social and behavioral sciences (psychology, sociology, social work, anthropology, education) and the health sciences (nursing, pre-med, allied health) are especially appropriate.
- Prerequisite undergraduate courses: There are no prerequisites that are required, although courses from the above list of undergraduate majors are desirable
- Work experience: Work experience in the field of public health, health, psychology, nursing, counseling, education, social work, etc. is considered extremely desirable
- Minimum undergrad GPA 3.0 in upper division course work
- GRE preferred minimum: 58th Verbal Percentile, 25th Quantitative Percentile
- Three letters of recommendation from academic and/or related professional sources.
- Career goals statement.

Total Program requirements with this concentration - 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –13 credit hours

Electives –9 credit hours minimum

Field Experience – 3 credit hours minimum

Concentration Course Requirements - 13 hours

PHC 6412 3 Health Disparities and Social Determinants
 PHC 6505 3 Program Planning in Community Health
 PHC 6708 3 Evaluation and Resesarch Methods in Community Health
 PHC 6724 1 Synthesizing Public Health Research
 PHC 6931 3* Adv. Seminar in Social and Behavioral Sciences Applied to Health

*students must take PHC 6410 Social and Behavioral Sciences Applied to Health as a Pre-requisite to the PHC 6931 course.

Electives - 9 hours minimum

Suggested Support Courses (Select 3 to equal 9 credits)

PHC 6193 3 Qualitative Methods in Community Health Research
 SYP 6008 3 Social Problems, Identity and Community
 PHC 6413 3 Family and community Violence in Public Health
 PHC 6418 3 Public Health and Aging

PHC 6419	3	Global Issues in Community and Family Health
ANG 6469	3	Selected Topics in Medical Anthropology
PHC 6411	3	Introduction to Social Marketing
PHC 6532	3	Women's Health Issues in Public Health
PHC 6240	3	Cultural Competency in Children's Mental Health
PHC 6536	3	Population and Community Health
PHC 6543	3	Foundations in Behavioral Health Systems
PHC 7417	3	Family Systems and Public Health

Field Experience – 3 hour minimum

PHC 6945 3-6 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 6 hours minimum; Students with relevant professional experience: 3 hours minimum. (*Professional experience would include supervised work at a mental health, alcohol, or drug abuse agency in a variety of special areas with behavioral health services. These experiences might include work and programming planning, program evaluation, community prevention and education, etc.*)

TOXICOLOGY AND RISK ASSESSMENT (TXY)**Offered from the Department of Environmental and Occupational Health**

This concentration area will provide a broad foundation in the biomedical sciences with general training in toxicology. The program is designed with a balanced curriculum in the areas necessary for understanding the response of organisms to chemical insult and to introduce individuals in the research approaches necessary for the evaluation of these responses. Students will be able to make decisions on the basis of available research findings on potential chemical hazards for humans and animals and to adapt to a rapidly growing body of new knowledge in toxicology.

Concentration Admission Information

In addition to the Program Admission requirements, applicants must have the following:

- Public health course prerequisites: 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 such as biology, chemistry, physics, and environmental science.
- Prerequisites undergraduate courses: Courses in biology and chemistry.
- Work experience: Not required.
- Minimum undergrad GPA: 3.0.
- GRE score may be substituted with an MCAT Score averaging 8 or higher.
- Other criteria: TOEFL Score (International Students) 550.

Total Program requirements with this concentration - 44 hours minimum

In addition to the 19 hours required for the Program (Core, Foundations, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 23 credit hours

Field Experience – 2 credit hours minimum

Prerequisite (Not included in program total hours) - 3 hours

HSC 4551 3 Survey of Human Diseases

Concentration Course Requirements - 23 hours

HSC 6556	3	Pathobiology of Human Disease I
PHC 6353	3	Environmental Toxicology and Risk Assessment
PHC 6310	3	Environmental and 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	Special Topics in Public Health
PHC 6930	1	Public Health Seminar
HSC 6557	3	Pathobiology of Human Disease II

Field Experience – 2 hour minimum

PHC 6945 2-3 Supervised Field Experience (up to 12 credits)

Students with little or no professional experience: 3 hours minimum. Students with relevant professional experience: 2 hours minimum. Has worked as a professional in the field of toxicology for a period of at least one year constitutes the term "relevant professional experience" and is worthy of lesser field experience.

For information on program requirements, refer to the college website: www.publichealth.usf.edu

OTHER 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/>

PUBLIC HEALTH / LAW DUAL DEGREE PROGRAM

Master of Public Health (M.P.H.) Degree

Doctorate of Jurisprudence (J.D.) Degree with Stetson University

DEGREE INFORMATION

Program Admission Deadlines:

Public Health has rolling admissions and no set deadline. A minimum of 6 weeks is necessary after a completed application is received in order for the application to be fully processed.

Minimum Total Hours:	42
Program Level:	Masters
CIP Code:	51.2201
Dept Code:	DEA
Program (Major/College):	MPH PH

Concentrations:

- Behavioral Health (BHH)
- Biostatistics (BST)
- Environmental Health (EVH)
- Epidemiology (EPY)
- Epidemiology and Biostatistics (PEB)
- Epidemiology and Global Communicable Diseases (EGD)
- Epidemiology and Global Health (EGH)
- Epidemiology and Maternal and Child Health (EMC)
- Executive Program for Health Professionals (EPH)
- Global Communicable Diseases (TCD)
- Global Disaster Management and Humanitarian Relief (GHH)
- Global Health Practice (GLO)
- Health Care Organizations and Management (HCO)
- Health Policies and Programs (HPP)
- Health Safety and Environment (HLE)
- Infection Control (IFC)
- Maternal and Child Health (PMC)
- Occupational Health (OCC)⁷
- Occupational Safety (SFM)
- Public Health Administration (PHA)
- Public Health Education (PHN)
- Public Health Practice (PHP)^{8,9}
- Socio-Health Sciences (SHS)
- Toxicology and Risk Assessment (TXY)

CONTACT INFORMATION

Colleges: Public Health
Stetson Law School

Contact Information: www.grad.usf.edu

⁷ Only available to dual MS Adult Nursing Students

⁸ Requires 3 years of health-related experience

⁹ Offered (1) executive program and (2) online

PROGRAM INFORMATION

The core functions of public health include assessment, policy development, and assurance. Public health professionals can better perform these functions through not only obtaining the prerequisite knowledge but also through partnering with well-trained professionals in other fields such as law to develop and implement society's responses to public health needs. However, lawyers' effectiveness is often limited by their inadequate knowledge of public health and its scientific disciplines. The joint degree program is intended to supply this knowledge by giving public health and Stetson Law School graduates a sound education in both law and public health. A related goal is to increase the opportunities for inter-disciplinary research, teaching, and advocacy for the faculties at the College of Public Health and Stetson University College of Law.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. In addition, 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 certificates, 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.

Major Research Areas:

Faculty major research areas are listed at:

<http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

DEPARTMENTS and College Wide Programs

Community and Family Health

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental and Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology and Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology: Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology.

Biostatistics: Methodologies for analysis of spatial and temporal data including multilevel, mixed-effects, and growth curve modeling, Bayesian methods, Survey and sampling, Missing data, Causal inference, Survival data analysis, and Data mining; Applications ranging from design and analysis of field trials for prevention of mental and behavioral disorders, design and analysis of clinical trials, analysis of social behavioral data, analysis of environmental data such as air pollution, health outcome evaluation, emdical surveillance, modeling of biological system including dynamic models of HIV/AIDS trials, and health risk assessment.

Global Health

<http://publichealth.usf.edu/gh/>

"Drug development and diagnosis of emerging and infectious diseases of developing countries, including malaria and tissue and soil transmitted dwelling helminths. Ecology and remote sensing prediction of diseases in developing countries. Ecology and control of vector borne diseases in Florida, especially endemic and emerging

arboviruses. Chronic diseases and accident prevention in developing countries. Disaster cycle with emphasis on the recovery phase within the context of a Humanitarian Complex Emergency. Infection control practices and procedures in healthcare settings."

Health Policy and Management

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

College Wide Programs

<http://publichealth.usf.edu/php/>

Public Health Practice, Executive Public Health Weekend Program, Public Health Generalist, Healthy Communities, Health Equity.

ADMISSION INFORMATION

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

Program Admission Requirements

Students will need to be accepted to both institutions and follow the admission standards of each setting. Students must complete the GRE and the LSAT for acceptance into this dual program. Refer to the M.P.H. listing for specific USF admission requirements.

DEGREE PROGRAM REQUIREMENTS**College of Public Health Students:**

Students in the College of Public Health will enroll in the J.D./M.P.H. program, complete the M.P.H. degree, and meet the admission requirements of Stetson which includes taking the LSAT, and then enroll in the Stetson College of Law to complete the JD. Students in the dual degree program will be permitted to count nine hours of credit from the M.P.H. program toward satisfaction of JD credit requirements, and up to nine hours of credit from the JD program toward satisfaction of M.P.H. credit requirements. All students in the dual degree program must complete a field experience requirement. Students in Stetson Law must do mandatory pro bono work (20 hours). Some of these hours may qualify for the field experience however these must be done in a public health setting. This will be determined by the student's public health advisor and department. Credit hours for the M.P.H. may be more than 42 hours (i.e. 46 hours) depending on the concentration program.

Stetson Law Students:

Students already enrolled in Stetson College of Law will normally apply for the dual degree program in their first or second year. Students in the program will usually complete either one or two years of law school, after which they will spend a year completing the M.P.H. program in the College of Public Health. Students will have the ability to choose whichever concentration within the College that best meets their interests and needs and which they are formally accepted to by the College and Department. After completing their M.P.H., students will return to Stetson to complete their JD and prepare for the bar exam. The virtue of this study plan is that students will commence M.P.H. study with a sound foundation in law and legal process, and students will complete the elective portion of their legal study with a sound foundation in public health.

OTHER INFORMATION

Contact Public Health for a listing of curriculum requirements of both USF and Stetson Law.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 admit 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

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu
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 (GTC) – 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)¹⁰ – 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

¹⁰ Only for health professionals

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>.

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 6588 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 6756 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 6096: 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 6096 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

Specific 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.

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/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

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 1
 - 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 a strong mathematical background must take the more advanced level biostatistics course "PHC 6096: 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 6096 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 Experiments 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 (<i>or approved course</i>)
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 (GTC)**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 9 hours minimum required for the Program Core Requirements, Foundation course requirements, and the 6 hours minimum 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 6358	3	Patient Centered Communication and Professionalism
PHC 6601	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 6593	1	Professional Development in Genetic Counseling
PHC 6572	3	Quantitative Genetics and Genomics
PHC 6940	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, microbiology 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 interests 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 <ul style="list-style-type: none"> • 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 department 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**

Interdisciplinary 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)¹¹**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

¹¹ Only for health professionals

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/>

PUBLIC HEALTH PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall Semester 2016: February 15, 2016
Spring Semester 2017: July 15, 2016
Summer Semester 2017: November 15, 2016
Applicants must submit their application by November 15th in order to be considered for a financial aid package in the following fall semester, even though admission can be granted later.

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 51.2201
Dept Code: DEA
Program (Major/College): PPH PH
Approved: 1987

Concentrations and total hours for the Program with that concentration:

Biostatistics (BST) - 92
 Community and Family Health (CFH) - 90
 Environmental Health (EVH) - 90
 Environmental and Occupational Health (EOH) - 90
 Epidemiology (EPY) - 90
 Global Communicable Disease (TCD) - 90
 Health Services Research (HPM) - 90
 Industrial Hygiene (IHY) - 90
 Occupational Health for Health Professionals (OHP) - 90
 Toxicology and Risk Assessment (TXY) - 90

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

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 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. 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.

Major Research Areas:

Faculty major research areas are listed at: <http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

ADMISSION INFORMATION

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

Program Admission Requirements

Applicants to the doctoral program in Public Health must meet the following minimum criteria in order to be considered for admission. However, the meeting of these criteria per se, shall not be the only basis for admission.

- Applicants to the Ph.D. program are required to complete both a SOPHAS application and a USF Graduate Studies Application (applicants will receive a request for the \$30 fee once the SOPHAS application enters the USF system).
- USF Graduate School application fee
- Required Documentation (all items are required regardless of GPA or GRE scores):
- Completed SOPHAS application (requires the following):
 - GRE Scores. A preferred minimum verbal of 53rd percentile and quantitative of 39th percentile taken within 5-years preceding the application and a grade point average of 3.0 are needed to be considered. Note: some concentration may prefer higher GRE scores (e.g. Biostatistics and Epidemiology, Health Services Research). A score of 600 or higher on the GMAT for applicants to only the Health Policy and Management Department will be considered.
 - Transcripts
 - Resume or curriculum vitae
 - Each applicant must submit at least two formal Letters of Recommendation. The Department of Community and Family Health requires three Letters of Recommendation.
 - Each applicant must submit evidence of written/analytical skills to the College of Public Health which will take two-forms:
 - A graduate level term paper, thesis, or research paper of which the student is the sole author, publication on which the student is the first author; and
 - A detailed personal statement of less than five pages that describes why the applicant wishes to obtain a Ph.D. degree in Public Health.
- Applicants seeking consideration to the doctoral program must possess the M.P.H., M.S.P.H., or equivalent. Those who hold other graduate degrees will be considered, but as a prerequisite, they may be required to complete courses as approved by their advisory committee.
- Applicants whose native language is not English or who have not earned a degree in the United States must also submit TOEFL scores earned within two (2) years of the desired term of entry. A minimum total score of 79 on the internet-based test, 213 on the computer-based test, or 550 on the paper-based test are required. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied with no exceptions.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours:

90 hours post-bachelor's

Prerequisites

The doctoral committee or the department may require prerequisites. These courses are not included in the minimum number of hours a student needs to complete the Ph.D. and are expected to be completed early in the course of study.

Public Health Core Courses - 9 credit hours

PHC 6000 Epidemiology

PHC 6050 Biostatistics I

One (1) of the following*:

PHC 6410 Social and Behavioral Sciences applied to health

PHC 6357 Environmental and Occupational Health

PHC 6102 Principles of Health Policy and Management

**Students should check with their advisor to determine which of these should be taken.*

Seminar - 3 credit hours

PHC 7931 1 Advanced Interdisciplinary Seminar in Public Health

A minimum of three semesters (one credit each semester).

Concentrations –

Students select one of the concentrations listed on the following pages and must complete requirements as listed in addition to the general program requirements.

Concentration Coursework – 12 credit hours minimum

See individual concentrations for specific requirements.

Additional Coursework - 13 credit hours

A minimum of 13 credits at the 7000 level. The courses and number of credit hours required are defined by the department and the doctoral committee and include coursework from another department or college. Generally, the doctoral degree requires a minimum of 90 credits beyond the bachelor's degree. Departments determine the number of credits accepted from previous master(s) degree. There is a mandatory doctoral student orientation that all new doctoral students must attend in the fall semester of their first academic year.

Tools of Research

Departmental Guidelines will address whether tools of research are required for doctoral students within that department (consistency within the department required). The student must complete a minimum of two of the "Tools of Research" options designated by the Department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination.

Teaching

All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level.

Qualifying Exam

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a comprehensive qualifying examination covering the subject matter in the major and related fields. The Department will set the specific criteria.

The qualifying exam will comprise of a written portion and may include an oral component. The exam will cover at least three major areas including: a) Broad area of public health; b) Focus area of study; c) Research methods. The student may have no longer than 10 weeks to complete the exam upon receipt of the exam from the Doctoral Supervisory Committee. The format and duration of the qualifying exam is the responsibility of the Doctoral Supervisory Committee following consultation with the student and consistent with departmental, college and university guidelines. The Doctoral Supervisory Committee will have up to three weeks to review the exam and determine the outcome of either Pass or Fail. No more than two attempts will be allowed for the student to take the qualifying exam and earn a Pass. If the student receives a Fail on the qualifying exam on the first attempt and the Doctoral Supervisory Committee recommends that the

student complete remedial work, the second attempt at the qualifying exam must be initiated within three- months of completion of remedial work. If the student earns a Fail on the first attempt, and the Committee determines that no remedial work is needed, the student will have a second attempt to pass which must be initiated within three-months. If the student does not earn a Pass on the qualifying exam on his/her second attempt, the student will not be admitted into doctoral candidacy. After successful completion of the qualifying exam and appropriate paperwork is submitted to the Office of Graduate Studies, the student is admitted to candidacy and may register for dissertation hours.

Dissertation

All students must follow the University's "Guidelines for Dissertations and Theses" found at <http://www.grad.usf.edu/thesis.php>. The Dissertation must conform to one of the following two available options per USF degree requirements. For details, consult the USF Graduate Catalog Degree Requirements Section.

Option 1: Traditional format inclusive of Part I Preliminary Pages, Part II Text, Part III References/Appendices, Part IV About the Author.

Option 2: Collection of articles/papers instead of chapters inclusive of Part I Preliminary Pages, Part II Collection of Articles/Papers, Part III References/Appendices.

After the Doctoral Dissertation Committee has determined that the final draft of the Dissertation is suitable for presentation, the Committee will request the scheduling and announcement of the Dissertation Defense. Consistent with USF Graduate Degree Requirements, a copy of the announcement should be sent to the USF Office of Graduate Studies and posted in a public forum preferably two weeks in advance of the defense date.

In addition, the Concentration in Biostatistics and the Concentration in Epidemiology have additional format requirements. Consult the Department for information on the format options and requirements for these two concentrations.

Guidelines for student progress:

Each Ph.D. student will undergo an annual review consistent with departmental guidelines. A summary of the annual review will be provided to the student and placed in the student's advising file.

Ph.D. in Public Health

CONCENTRATION OPTIONS

Students select from the Concentrations listed on the following pages.

BIOSTATISTICS

Offered from the Department of Epidemiology and Biostatistics

Total Program Requirements with this concentration - 92 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Pre-Req Courses – 9 hours
 Concentration Courses – 18 hours
 Research Tool Courses – 9 hours
 Focus Area Courses – 12 hours
 Electives – 6 hours
 Other Requirements – 7 hours
 Teaching – 1 hour
 Dissertation – 18 hours

Pre-Requisite Courses – 9 hours

PHC 6051	3	Biostatistics II or equivalent
PHC 6053	3	Categorical Data Analysis or equivalent
PHC 6055	3	Survival Analysis or equivalent

Concentration Course Requirements (Domain A) – 18 hours

PHC 7935	3	Probability Model
PHC 7058	3	Biostatistical Inference II
PHC 6061	3	Biostatistical Collaboration and Case Studies II
PHC 7053	3	Generalized Linear Models
PHC 7059	3	Advanced Survival Analysis
PHC 7056	3	Longitudinal Data Analysis

Research Tools and Electives (Domain B) – 27 hours

Research tools (9 hours minimum)

PHC 7055	3	Biostatistical Computing
PHC 6020	3	Design and Conduct of Clinical Trials
PHC 6190	3	Public Health Data Base Management
PHC 7054	3	Selected Topics in Advanced Biostatistical Methods
STA 6876	3	Time Series Analysis

Substantive knowledge/Focus Area (12 hours minimum)

Electives –(6 hours Minimum)

Examples:

PHC 6056	3	Survey and Sampling for Health Sciences
PHC 6060	3	Biostatistical Collaboration and Case Studies I
PHC 7028	3	Advanced Clinical Trials
CSE 6930	3	Data Mining in Bioinformatics
EDF 7412	3	Application of Structural Equation Modeling
EDF 7408	3	Statistical Analysis for Educational Research II
STA 6746	3	Multivariate Analysis
PHC 6054		Design and Analysis of Experiments for Health Studies
PHC 6056		Survey and Sampling for Health Sciences

Other Program Requirements (Domain C) – 7 hours minimum

Ethical Issues in Human Research (1 hour)

Select one of the following:

PHC 7931	1	Public Health Research Ethics
GMS 6091	1	Responsible Conduct in Research
GMS 6871	1	Health Science Ethics

Professional Development (6 hours)

HSC 7267	1	Professional Foundations 1: Doctoral Student
PHC 7934	3	Writing for Scholarly Publication
HSC 7268	2	Professional Foundations 3: Joining the Academy

Teaching (Domain D) – 1 hour minimum

HSC 7260	1	Professional Foundations 2: Teaching
----------	---	--------------------------------------

Department Teaching Requirement

Dissertation (Domain E) – 18 hours minimum

PHC 7980		Dissertation Research
----------	--	-----------------------

COMMUNITY AND FAMILY HEALTH (CFH)**Offered from the Department of Community and Family Health**

Areas of focus include Behavioral Health, Maternal and Child Health, Social Marketing and Public Health Education.

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Pre-Req Courses – 9 hours (not part of total minimum hours)

Concentration Courses – 60 hours

Teaching

Dissertation – 18 hours

Pre-Requisite PH Courses (Not included in total program hours)

PHC 6708	3	Evaluation Methods in Community Health or equivalent
PHC 6193	3	Qualitative Methods in Community Health Research or equivalent
PHC 6500	3	Theoretical and Behavioral Basis for HE or equivalent

Required Courses (taken as part of the Program Core Requirements)

PHC 6410	3	Social and Behavioral Sciences Applied to Health or equivalent
PHC 7934	3	Interdisciplinary Seminar (offered as a one hour course for three semesters (1 hour x 3 semesters))

Concentration Course Requirements – 60 hours**Scientific knowledge and Theory (3 hours)**

PHC 7405	3	Theoretical Applications to Public Health Issues
----------	---	--

Research Methods (15 hours)

PHC 7702	3	Advanced Public Hlth Res and Eval Methods
PHC 7704	3	Applied Research Methods
PHC 6934	3	Applications of Advanced Biostatistics Methods in public Health
PHC 7198	3	Advanced Qualitative Methods

Also one Advanced Quantitative or Qualitative Course (3 hours)

Select 3 hours or more of advanced level quantitative or qualitative course/s determined by the student and PhD Committee.

Practice (12 hours)

PHC 7583	3	Community Based Health Promotion
PHC 7152	3	Policy and Practice

Choose 6 hours from the following or other courses as decided by the doctoral committee focused on public health practice:

PHC 7935		Seminar in Writing a Dissertation
PHC 7934		Writing Scholarly Publications in the Health Sciences
PHC 7937		Advanced Seminar in Grant Writing

Teaching

TA with Faculty (at least one graduate course)

Teaching requirement (at least one semester of teaching an undergraduate course)

Focus Area Courses (30 hours minimum)

While up to 30 graduate level credits may be transferred in to meet requirements, we expect that at least half of the focus area/research course hours for this degree program should be at an advanced doctoral level from within or outside the College. New courses may include directed research/internship/practicum hours as determined by the student and Ph.D. committee.

Qualifying Exam

Dissertation - 18 hours minimum

ENVIRONMENTAL AND OCCUPATIONAL HEALTH (EOH)

Offered from the Department of Environmental and Occupational Health

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 12 hours
 Advanced Biostatistics Course – 3
 Required doctoral courses – 13
 Electives
 Dissertation – 18 hours

Concentration Course Requirements – 12 hours
 Courses selected under advisement of the Committee.

Advanced Biostatistics Course – 3 hours

Required doctoral Courses – 13 hours
 Courses selected under advisement of the Committee.

Directed Research

PHC 7910 2-19 Directed Research

Dissertation – 18 hours

PHC 7980 2-18 Dissertation

ENVIRONMENTAL HEALTH (EVH)

Offered from the Department of Environmental and Occupational Health

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 12 hours
 Advanced Biostatistics Course – 3
 Required doctoral courses – 13
 Electives
 Dissertation – 18 hours

Concentration Course Requirements – 12 hours
 Courses selected under advisement of the Committee.

Advanced Biostatistics Course – 3 hours**Required doctoral Courses – 13 hours**

Courses selected under advisement of the Committee.

Directed Research

PHC 7910 2-19 Directed Research

Dissertation – 18 hours

PHC 7980 2-18 Dissertation

EPIDEMIOLOGY (EPY)**Offered from the Department of Epidemiology and Biostatistics****Total Program Requirements with this concentration - 90 hours minimum post-bachelor's**

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 24 hours

Epidemiology Methods and Writing – 15 hours

Focus Area Courses – 9 hours

Biostatistics – 6 hours

Electives – 6 hours

Dissertation – 18 hours

Concentration Course Requirements (Domain B) – 24 hours

PHC 6051 3 Biostatistics II or equivalent

PHC 6053 3 Categorical Data Analysis or equivalent

PHC 6701 3 Computer Applications for Public Health or equivalent

In addition students take:

6 graduate level credits focusing on epidemiology methods

3 graduate level credits in data analysis or computer applications

6 level credits in topic areas focusing on chronic or infectious disease

Epidemiology Methods and Writing (Domain C) – 15 hours

PHC 7703 3 Adv. Research Methods in Epidemiology

PHC 7001 3 Practical Issues in Epidemiology

PHC 7015 3 Epidemiology Study Design and Protocol Develop

And two of the following:

PHC 6017 3 Design and Conduct of Clinical Trials

PHC 6720 3 Intermediate SAS

PHC 7720 3 Secondary Data Analysis

Substantive Knowledge and/or Focus Area (Domain D) – 9 hours

9 Graduate Level Credits in Topic Area

Biostatistics (Domain E) – 6 hours

PHC 6055 3 Survival Analyses

Electives/Support Courses (Domain F) – 6 hours

6 Graduate level elective credits decided by student and program committee

Other Program Requirements (Domain G)

Teaching Experience

Qualifying Examination

Dissertation Research

Dissertation

Dissertation Defense

*Primary data collection experience is strongly encouraged, but not required

Dissertation – 18 hours minimum

PHC 7980 2-18 Dissertation

GLOBAL COMMUNICABLE DISEASE (TCD)

Offered from the Department of Global Health

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 12 hours

Advanced Biostatistics Course – 3

Required doctoral courses – 13

Electives

Dissertation – 18 hours

Concentration Course Requirements – 12 hours

Courses selected under advisement of the Committee.

Advanced Biostatistics Course – 3 hours

Required doctoral Courses – 13 hours

Courses selected under advisement of the Committee.

Directed Research

PHC 7910 2-19 Directed Research

Dissertation – 18 hours

PHC 7980 2-18 Dissertation

HEALTH SERVICES RESEARCH (HPM)

Offered from the Department of Health Policy and Management

Additional Concentration Admission Requirements:

Preferred Verbal GRE test Percentile – 65th;

Preferred Quantitative GRE test percentile – 65th

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 15 hours

Advanced Statistics and Research Methods – 18 hours minimum

Health Policy Management – 12 hours minimum

Specialty Area Courses – 18 hours minimum

Dissertation – 18 hours

7000-level Courses - 15 hours minimum

QMB 7565	3	Advanced Research Methods
QMB 7566	3	Applied Multivariate Statistical Methods
PHC 7936	3	Seminar: Health Outcomes Measurement
PHC 7437	3	Applications in Health Economics
PHC 7935	3	Interdisciplinary Seminar

Advanced Statistics & Research Methods – 18 hours minimum

PHC 6051	3	Biostatistics II
PHC 6760	3	Research Methods in Public Health Programs
PHC 6053	3	Categorical Data Analysis
PHC 6701	3	Computer Applications for Public Health Researchers
QMB 6375	3	Applied Linear Statistical Models

In addition student takes a 3 hour elective approved by the Graduate Program Director.

TBA	3	Research Elective.
-----	---	--------------------

Health Policy Management - 12 hours minimum

PHC 6430	3	Health Economics I
PHC 6191	3	Quantitative Analysis in Health Care Management
PHC 6151	3	Health Policy and Politics
PHC 6180	3	Health Services Management

Speciality Area Courses - 18 hours minimum**Dissertation** - 18 hours minimum

Additional coursework beyond 90 credits may be required of students as specified in the plan of study.

INDUSTRIAL HYGIENE (IHY)

Offered from the Department of Environmental and Occupational Health

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 12 hours

Advanced Biostatistics Course – 3

Required doctoral courses – 13

Electives

Dissertation – 18 hours

Concentration Course Requirements – 12 hours

Courses selected under advisement of the Committee.

Advanced Biostatistics Course – 3 hours**Required doctoral Courses – 13 hours**

Courses selected under advisement of the Committee.

Directed Research

PHC 7910	2-19	Directed Research
----------	------	-------------------

Dissertation – 18 hours

PHC 7980	2-18	Dissertation
----------	------	--------------

OCCUPATIONAL HEALTH FOR HEALTH PROFESSIONALS (OHP)

Offered from the Department of Environmental and Occupational Health

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 12 hours
 Advanced Biostatistics Course – 3
 Required doctoral courses – 13
 Electives
 Dissertation – 18 hours

Concentration Course Requirements – 12 hours

Courses selected under advisement of the Committee.

Advanced Biostatistics Course – 3 hours**Required doctoral Courses – 13 hours**

Courses selected under advisement of the Committee.

Directed Research

PHC 7910 2-19 Directed Research

Dissertation – 18 hours

PHC 7980 2-18 Dissertation

TOXICOLOGY AND RISK ASSESSMENT (TXY)

Offered from the Department of Global Health

Total Program requirements with this concentration - 90 hours minimum post-bachelor's

In addition to the 12 hours minimum required for the Program Core Courses and Seminar Course Requirements, this Concentration requires:

Concentration Courses – 12 hours
 Advanced Biostatistics Course – 3
 Required doctoral courses – 13
 Electives
 Dissertation – 18 hours

Concentration Course Requirements – 12 hours

Courses selected under advisement of the Committee.

Advanced Biostatistics Course – 3 hours**Required doctoral Courses – 13 hours**

Courses selected under advisement of the Committee.

Directed Research

PHC 7910 2-19 Directed Research

Dissertation – 18 hours

PHC 7980 2-18 Dissertation

OTHER 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>

PUBLIC HEALTH PROGRAM

Doctor of Public Health (Dr.P.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: November 15
Annually

Minimum Total Hours: 90

Program Level: Doctoral

CIP Code: 51.2201

Dept Code: DEA

Program (Major/College): DPH PH

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Doctor of Public Health (Dr.P.H.) emphasizes advanced public health education and training designed to prepare individuals for leadership roles in practice-based settings such as health department, non-profit organizations, health service, international agencies, and community-based organizations. Accordingly, the emphasis of the Dr.P.H. is placed on fostering advanced expertise in developing, implementing, and evaluating evidence-informed public health practice as compared to the Ph.D. whereby the emphasis is on research.

Dr.P.H. training comprises the following curricular domains: Advocacy and Leadership, Communication, Community and Cultural Orientation, Critical Analysis, Management, and Professional and Ethics. Subsequently, the Dr.P.H. student is expected to collaborate with senior public health practitioners through a practice-based specialized study. Furthermore, it is required the Dr.P.H. Students complete a dissertation that addresses, generates, interprets and/or evaluates knowledge applicable to public health practice. Additional descriptions of department specific details are available on departmental websites.

The Dr. Ph. Will require 90 semester hours beyond the baccalaureate degree. Candidates MUST have an MPH or MSPH degree prior to admission, therefore the actual additional requires required for the Dr.P.H. beyond the master's level will average 45-50 semester hours, depending upon the program designed by the student and his or her committee. Per University guidelines, all requirements for the doctoral degree must be completed within seven calendar years from the student's date of admission for doctoral study. Students have four years to complete all required coursework, pass the qualifying examination, and be admitted to doctoral candidacy. Students then have three years from the date of doctoral candidacy to complete degree requirements.

Mission

The mission of the Doctor of Public Health is to prepare practitioners for leadership and advocacy in public health practice through a scientific, interdisciplinary approach to understanding and solving public health problems in the public and private sectors, the United States, and worldwide. This mission relates directly to the University of South Florida's mission which includes creating a community of learners together with significant and sustainable university-community partnerships and collaborations; and designing, strengthening and building sustainable healthy communities and improving quality of life.

Areas of Study

The Dr.P.H. degree has no concentrations, but students may focus on the following areas:

- Community and Family Health
- Environmental Health
- Epidemiology/Biostatistics
- Global Health
- Health Policy and Administration

Mode of Delivery

The USF College of Public Health Dr.P.H. degree is completed through distance-learning (fall and spring semesters) in addition to on-campus learning via the 1-week Dr.P.H. Summer Institute. The combination of program delivery formats allow the working professionals to broaden their grasp of public health management, practice, and research without interrupting careers.

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.

Major Research Areas:

Faculty major research areas are listed at: <http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

ADMISSION INFORMATION

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

Required Application Documentation

Applicants to the DrPh degree are required to complete both a SOPHAS application and a USF Office of Graduate Studies application. Required Documentation (all items are required regardless of GPA or GRE scores):

- Completed USF Office of Graduate Studies application, and
- Completed SOPHAS application (requires the following):
 1. Transcripts
 2. GRE taken within five years preceding application or equivalent scores Minimum of three letters of Recommendation
 3. Detailed personal statement of less than five pages that describes why you wish to obtain a DrPh degree in Public Health
 4. Resume or curriculum vitae
 5. Applicants whose native language is not English or who have not earned a degree in the United States must also submit TOEFL scores earned within two (2) years of the desired term of entry. A minimum total of 79 on the internet-based test, 213 on the computer-based test, or 550 on the paper-based test are required. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied with no exceptions. (Section 6.2 Admissions Tests Information for more information)

Program Admission Requirements

In addition to meeting the University requirements for admissions (see section 4 of the Graduate Catalog), applications to the Dr.P.H. program must meet the following minimum criteria in order to be considered for admission. However, the meeting of these criteria per se, shall not be the only basis for admission.

1. Applicants must have an M.P.H., M.H.A. and a minimum of two years' work experience in public health, a closely related field or as a health professional. Those who hold other graduate degrees will be considered, but as a pre-requisite to the Dr.P.H. program of study, they must complete all five public health core courses.
2. Eligibility requirements regarding GPA and standardized test scores will be identical to the college's Ph.D. program which is 3.0 GPA AND at least 53rd percentile on the verbal section of the GRE and 39th percentile on the quantitative section.
3. Minimum MCAT scores required is a mean of 8
4. Basic computer competency is expected.

Applicants must identify a discipline-specific interest area and have a faculty sponsor from the discipline who agrees to serve as the major professor. The admissions decision is made by the faculty sponsor's department.

Admission Procedures

All Dr.P.H. applications are reviewed by the College of Public Health Inter-departmental Dr.P.H. Admissions and Advisory Committee. The Dr.P.H. Admissions and Advisory Committee will review the entire application package and consider the overall balance of each applicant's qualifications and the fit between the applicant's career goals and the academic program.

DEGREE PROGRAM REQUIREMENTS

Pre-Requisites: Applicants must have an M.P.H. or M.S.P.H. from an accredited university, and a minimum of two years work experience in public health, a closely related field or as a health professional. If the student does not have a M.P.H. or an M.S.P.H. from an accredited university, the student must take and successfully pass the following public health core courses. Please note that these courses are pre-requisites; therefore, cannot be counted as part of the 90 credit hour Dr.P.H. program of study.

Pre-Requisite Public Health Courses

Public Health Core	15 credit hours
PHC 6000 Epidemiology	
PHC 6050 Biostatistics I	
PHC 6102 Principles of Health Policy and Management	
PHC 6357 Environmental and Occupational Health	
PHC 6410 Social and Behavioral Sciences Applied to Health	

Total Minimum Program Hours: **90 credit hours**
At least 12 hours have to be at the 7000 level

Core Requirements **43 credit hours****Cluster 1: Leadership, Advocacy, and Community Engagement** **22 credit hours****Domain: Advocacy**

PHC 6120 Community Partnerships and Advocacy
PHC 7932 Practical Applications I: policy and Public Health

Domain: Leadership

PHC 7103 Transforming Public Health Practice
PHC 7149 Practical Applicants II: Public Health Leadership

Domain: Communication

PHC 7934 Writing for Scholarly Publication
PHC 7937 Advanced Seminar in Grant Writing
PHC 7317 Risk Communication in Public Health

Domain: Community/Cultural Orientation

PHC 6462 Cultural Competency in Public Health Practice
PHC 6411 Introduction to Social Marketing

Cluster 2: Management and Ethics **12 credit hours****Domain: Management**

PHC 6104 Management of Public Health Programs (or)
PHC 6146 Health Services Planning and Evaluation (or)
PHC 6148 Strategic Planning and Healthcare Marketing
PHC 6181 Organizational Behavior in Health Services

Domain: Professionalism and Ethics

PHC 6412 Health Disparities, Diversity and Cultural Competence (or)
PHC 6442 Global Health Applications in the Field
PHC 6421 Public Health Ethics

Cluster 3: Evidence-informed Public Health**9 credit hours****Domain: Critical Analysis**

PHC 6063 Public Health Information and Decision Making (or)

PHC 6761 Global Health Assessment Strategies

PHC 7154 Evidence-Informed Public Health: Part 1

PHC 7156 Evidence-informed Public Health II

Focus Area Courses**29 hours minimum**

Discipline-Specific courses should pertain to focal discipline and interest area. Hours can be transferred from Master's degree.

Culminating Requirements**18 credit hours**

- Practice-based field study (9 credit hours, see description below);
- Written qualifying exam
- Practice-Based Dissertation 9 credit hours of PHC 7980 Dissertation)

Practice-based field study: All Dr.P.H. students will engage in a practice-based specialized study for a total of 9 credit hours. This provides an opportunity for in-depth study in a particular area of public health. The practice-based study is designed to focus on developing and demonstrating strategic policy-making skills and advanced leadership skills in the identified public health discipline. It will be jointly planned by the student, faculty advisor and Field Placement Coordinator. A qualified community-based professional preceptor will mentor the student in the practice setting.

Qualifying Exam:

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields. Exam questions will be generated by the Dr.P.H. Inter-departmental Admissions and Advisory Committee. The exam will be administered and evaluated by the student's Dr.P.H. Pre-dissertation Committee. Results for the written exam will be communicated in writing to the student within 15 working days of the examination. If all or part of the exam is failed, the student will have one more opportunity to retake the exam. After successful completion of the qualifying exam and appropriate paperwork is submitted to and approved by the Office of Graduate Studies, the student is admitted to candidacy and may register for dissertation hours in the semester following Office of Graduate Studies approval.

Dissertation:

All students must follow the University's "Guidelines for Dissertations and Theses" Found at <http://www.grad.usf.edu/thesis.php>.

Note: In order to be considered for admission to the Dr.P.H. Program in Public Health, applicants must be fully prepared to register as full-time students for at least one full academic year (consecutive Fall and Spring semesters). All requirements for doctoral degrees must be completed within seven (7) calendar years from the student's date of admission for doctoral study. Students have four (4) years from the date of admission to complete all required coursework, pass the qualifying examination, and to be admitted to doctoral candidacy. Students then have three (3) years from the date of doctoral candidacy to complete degree requirements.

Advising and Mentorship**Faculty Advisor and Practice-based Mentor**

Upon admission to the Dr.P.H. program of study, the Dr.P.H. Admissions Committee will appoint a Dr.P.H. Faculty Advisor and Dr.P.H. Practice-based mentor to each student. Typically the faculty advisor also serves as the Chair of the dissertation committee. The advisor and the practice-based mentor facilitate the student's doctoral studies by:

1. Meeting with the student to develop a plan of study for doctoral committee approval by the end of the second semester.
2. Monitoring and informing the Pre-dissertation committee of the student's progress.
3. Meeting with the student on a regular basis about academic and research progress and professional and career goals.
4. Coordinating the development, administration, and grading of the qualifying exam.
5. Guiding the student in development and implementation of a quality practice-based study experience.

Pre-Dissertation Committee

All Dr.P.H. students are admitted into the College of Public Health Dr.P.H. will be assigned a faculty advisor (see above) and a Dr.P.H. practice-based Mentor who will work with the student in forming a pre-dissertation committee. The roles of the pre-dissertation committee are as follows:

1. Meet with the student to discuss plan of study, practice-base specialized study, and academic progress. The Program of Study should include proposed time schedule to complete each course, and copies shall be given to each committee member and to the Office of Academic and Student Affairs.
2. Facilitate opportunities for strengthening leadership and management skills, applied research skills and scholarly growth.
3. Administer and evaluate the qualifying exam.

Dissertation Committee

Successful completion of the preliminary examination advances the doctoral student to a doctoral candidate. At that time, the student will convene a Dr.P.H. Dissertation Committee. The Pre-Dissertation Committee may continue to serve as the Dissertation Committee, although this not necessary. At this time, the student may desire to change Faculty Advisor and/or committee members. This may occur when practice, professional or research interests are more closely matched with another faculty member, the student and faculty member mutually agree that another person is more appropriate, or a faculty member is leaving the University. This action is to be approved by the Department Chair, the Dean of Academic and Student Affairs, and the Office of Graduate Studies.

The Dissertation Committee must have a minimum of four members, which includes at least two faculty members from the College of Public Health and a public health professional or practitioner. Refer to Office of Graduate Studies guidelines for information on the chair appointed for the dissertation defense. A minimum of 9 dissertation credits is required.

The roles of the dissertation committee are as follows:

1. Guide student throughout practice-based dissertation.
2. Approve written dissertation proposal through a formal oral presentation process.
3. Provide guidance and support during dissertation
4. Evaluate dissertation through dissertation defense process.
5. Recommend an appropriate chair for the dissertation defense.

Use of "c" in Degree Acronyms for Degree Candidates

The College of Public Health does not permit students who are pursuing masters or doctoral degrees to use the degree acronym after their names and a small "c" for candidate. In other words students are not permitted to use MPHc, MSPHc, MHA, PhDc, or DrPHc. If students, after successfully completing all comprehensive exams (core and concentration) for the master degrees or the qualifying exam for the doctoral degree wish to put after their name the words "master degree candidate" or "doctoral degree candidate*" – we allow this. The use of the degree acronym and small "c" creates confusion for faculty, employers, and other individuals who are reviewing students' CVS and other materials. It creates a situation wherein a student appears to have earned a degree when such is not the case. As a degree-granting College, we do not allow this.

**Editor's note: the use of "doctoral degree candidates" should only be done after Admission to Doctoral Candidacy has been processed and approved through the Office of Graduate Studies.*

COURSES

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