Changes to Note

Graduate Council approved the following on the dates noted.

Concurrent Degree Options

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
<th>Change</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Administration/Public Health</td>
<td>M.H.A./M.P.H.</td>
<td>Update Curriculum; reduce from 70 to 67 hrs</td>
<td>12/5/2016</td>
</tr>
<tr>
<td>Public Health /Medicine</td>
<td>M.P.H./M.D.</td>
<td>New Concurrent Degree Option “MD=4 year program”</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health/Medical Sciences</td>
<td>M.P.H. / Ph.D.</td>
<td>Terminate Concurrent Degree</td>
<td>3/6/2017</td>
</tr>
<tr>
<td>Public Health/Stetson Law</td>
<td>M.P.H./J.D.</td>
<td>Terminate Concurrent Degree Option</td>
<td>5/8/2017</td>
</tr>
</tbody>
</table>

Majors

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
<th>Change</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Administration</td>
<td>M.H.A.</td>
<td>Change Major - reduce hrs from 58 to 53</td>
<td>11/7/2016</td>
</tr>
<tr>
<td>Health Administration</td>
<td>M.H.A.</td>
<td>Change Admissions Deadlines - spring deadline to June 15</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H.</td>
<td>Revise GRE Score language</td>
<td>11/7/2016</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H.</td>
<td>Terminate Concentration - Socio Health Sciences (SHS)</td>
<td>3/6/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H.</td>
<td>Remove track from core courses</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H.</td>
<td>Update Comp exam language</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H.</td>
<td>Add new Concentration in Occupational Medicine Residency (OMR)</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H.</td>
<td>Change Admissions Deadlines - spring deadline to June 15</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.S.P.H.</td>
<td>Change Industrial Hygiene name to Occupational Exposure Science (OES)</td>
<td>11/7/2016</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.S.P.H.</td>
<td>Change Major - GRE Score language</td>
<td>11/7/2016</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.S.P.H.</td>
<td>Change Major - remove track from core courses</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.S.P.H.</td>
<td>Change Admissions Deadlines - spring deadline to June 15</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>Ph.D.</td>
<td>Change Major - GRE Score language</td>
<td>11/7/2016</td>
</tr>
<tr>
<td>Public Health</td>
<td>Ph.D.</td>
<td>Change Admissions Deadlines - spring deadline to June 15</td>
<td>5/1/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>Ph.D.</td>
<td>Change core; terminate EOH Concentrations; add new concentration</td>
<td>5/8/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>Dr.P.H.</td>
<td>Change Major - GRE Score language</td>
<td>11/7/2016</td>
</tr>
<tr>
<td>Public Health</td>
<td>Dr.P.H.</td>
<td>Change Major - Replacement changes; Update Field Studies</td>
<td>2/6/2017</td>
</tr>
<tr>
<td>Public Health</td>
<td>Dr.P.H.</td>
<td>Combined changes core with Ph.D. New Concentration: Advanced Practice Leadership in Public Health (APR) eff fall 2017</td>
<td>5/8/2017</td>
</tr>
</tbody>
</table>

Certificates

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Change</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Biostatistics</td>
<td>Change Certificate</td>
<td>5/8/2017</td>
</tr>
<tr>
<td>Epidemiology of Infectious Diseases</td>
<td>Change Certificate</td>
<td>4/3/2017</td>
</tr>
<tr>
<td>Health Management and Leadership</td>
<td>Change Certificate</td>
<td>5/8/2017</td>
</tr>
<tr>
<td>Public Health Policies &amp; Programs</td>
<td>Change Certificate</td>
<td>5/8/2017</td>
</tr>
<tr>
<td>Public Health Policy &amp; Programs</td>
<td>Change Certificate</td>
<td>11/7/2016</td>
</tr>
</tbody>
</table>

Terminated Certificates

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Change</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td></td>
<td>4/3/2017</td>
</tr>
<tr>
<td>Health Equity</td>
<td></td>
<td>5/8/2017</td>
</tr>
<tr>
<td>Violence and Injury: Prevention and Intervention</td>
<td></td>
<td>5/8/2017</td>
</tr>
</tbody>
</table>

http://health.usf.edu/publichealth/
DEPARTMENTS AND COLLEGE WIDE MAJORS

Community and Family Health
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
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
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, epidemiological surveillance, modeling of biological system including dynamic models of HIV/AIDS trials, and health risk assessment.

Global Health
"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
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 Majors
Public Health Practice, Executive Public Health Weekend Major, Public Health Generalist, Healthy Communities, Health Equity.
Accreditation:
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](http://www.abet.org). The M.H.A. and concurrent 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 majors 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 major 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, Majors, 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)–* concurrent concentration*
- Epidemiology and Global Communicable Disease (EGC) – * concurrent concentration*
- Epidemiology and Global Health - (EGH)–* concurrent concentration*
- Epidemiology and Maternal & Child Health (EMC) – * concurrent 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)¹
Occupational Health for Nurses (OCP)
Occupational Medicine Residency (OMR)
Public Health Administration (PHA)
Public Health Education (PHN)
Public Health Practice Program (PHP)¹, ²
Social Marketing (SOM)
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)
- International Public Health Research, Policy and Planning (PIP)
- Maternal and Child Health (PMH)
- Occupational Exposure Science (OES)
- Occupational Health (POH)²
- 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 and Occupational Health (EOH)
- Epidemiology (EPY)
- Global Communicable Diseases (TCD)
- Health Services Research (HPM)

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

Public Health
- Advanced Practice Leadership in Public Health (APR)
Accelerated majors:
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

Concurrent Degree Options:
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 Medicine ★ M.P.H./M.D.

for already enrolled USF College of Medicine students.
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 Physical Therapy ★ M.P.H./D.P.T.

Graduate Certificates Offered:
For the most current list go to: http://www.usf.edu/innovative-education/graduate-certificates/
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 Management and Leadership
Health, Safety and 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 and Social Change*
Toxicology and Risk Assessment
Translational Research in Adolescent Behavioral Health
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.

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 for some majors covering the concentration courses. Each department has detailed written guidelines which are listed on department websites. Additional information may be found at https://documents.health.usf.edu/display/COPHHB/guidebooks. 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 major at http://health.usf.edu/publichealth/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.
HEALTH ADMINISTRATION

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

DEGREE INFORMATION

<table>
<thead>
<tr>
<th>Priority Admission Application Deadlines:</th>
<th>CONTACT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall: May 1</td>
<td>College: Public Health</td>
</tr>
<tr>
<td>Spring: June 15</td>
<td>Contact Information: <a href="http://www.grad.usf.edu">www.grad.usf.edu</a></td>
</tr>
<tr>
<td>Summer: November 15</td>
<td></td>
</tr>
</tbody>
</table>

International applicant deadlines:
[http://www.grad.usf.edu/majors](http://www.grad.usf.edu/majors)

Minimum Total Hours: 53
Level: Masters
CIP Code: 51.0701
Dept Code: DEA
(Major/College): MHA PH
Approved: 1988

MAJOR 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
- Understand and demonstrate the use of scientific operational definitions and their measurement, e.g., efficiency, effectiveness.
- Develop and use metrics to assess clinical and organizational performance.
- Comprehend the use and applications of information systems and technology in health services management, e.g., electronic medical records, decision support systems, and the use of software tools for decision-making.
- Demonstrate the application of quantitative analytic techniques (e.g., descriptive and inferential statistics, regression, forecasting) and the use of software tools, such as Excel, in management decision-making.
- Use process management methods and tools in performance and quality improvement, e.g., CQI, Six Sigma, flowcharts, Gantt charts, etc.
- Build analytical thinking acumen, e.g., the ability to understand relevant concepts and issues by delving into its pertinent components and formulating solutions.

Strategy and Leadership
- Understand all components of operational and strategic plans, e.g., environmental scanning, competitive analysis, strategy development.
- Apply marketing principles to management decision-making.
- Lead improvement upon organizational design and culture, e.g., formal and informal decision-making structures, and champion workforce diversity.
- Clarify the principles of change leadership and human resources management processes, e.g., staff development.
- Understand governance practices, e.g., board composition, relations and evaluation; committee structure; and clinical review, fiduciary, and ethical responsibilities.
Understand the values, training and focus of physicians, the role of the medical staff in health care organizations, and managing physician-administrator relations.

**Public Policies and Community Orientation**
- Explain the organization and financing of the U.S. healthcare system.
- Assess community needs and values and the role of external relations, e.g., demographic/population contexts for business development.
- Comprehend and explain the legal and regulatory environment for health services.
- Comprehend the policy process and analyze public policy context and choices.
- Analyze the associations between provider cultural competencies and diversity and patient health disparities.

**Economics and Financial Management**
- Comprehend budgets, e.g., sources of revenue and expense, use of standards in budget development.
- Explain the principles and applications of cost accounting, e.g., the costing process, measurement, and control.
- Understand financial statements, e.g., net income and cash flow statements, ratio analysis, pro forma statements.
- Execute financial mathematics, e.g., time value of money calculations, capital budgeting, return on investment, risk analyses, payback.
- Understand differential reimbursement methodologies used by payers (e.g., Medicare, Medicaid, self-pay, commercial, managed care) and the major principles of health insurance.
- Perform differential reimbursement calculations by payers (e.g., Medicare/Medicaid, self-pay, managed care) and describe the major principles of health insurance.
- Explain economic evaluation, e.g. cost benefit/cost effectiveness analysis.

**Professionalism and Communication Skills**
- Demonstrate public health values and reinforce ethical decision making.
- Integrate and demonstrate effective written communication.
- Integrate and demonstrate effective oral communications with other individuals and in groups.
- Demonstrate professionalism, e.g., abilities to effectively work with others, to engage in relationship building, to be accountable, to act with integrity

**Accreditation:**
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 for admission to the major, listed below. 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 50th 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. 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.

CURRICULUM REQUIREMENTS

Total minimum credit hours: 53 hrs

CORE REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6588</td>
<td>History and Systems of Public Health</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6756</td>
<td>Population Assessment: Part I</td>
<td>5</td>
</tr>
<tr>
<td>PHC 6757</td>
<td>Population Assessment: Part II</td>
<td>3</td>
</tr>
</tbody>
</table>

Management and Policy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6148</td>
<td>Strategic Planning and Healthcare Marketing</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6147</td>
<td>Managing Quality in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6151</td>
<td>Health Policy and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6180</td>
<td>Health Services Management</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6181</td>
<td>Organizational Behavior in Health Services</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6420</td>
<td>Health Care Law, Regulation and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6435</td>
<td>Comparative Health Insurance Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Finance, Economics and Decision Making Skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6160</td>
<td>Health Care Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>QMB 6305</td>
<td>Managerial Decision Analysis</td>
<td>2</td>
</tr>
<tr>
<td>PHC 6161</td>
<td>Health Finance Applications</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6191</td>
<td>Quantitative Analysis in Health Services</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6196</td>
<td>Information Systems in Health Care Management</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6430</td>
<td>Health Economics I</td>
<td>3</td>
</tr>
</tbody>
</table>

Culminating Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6945</td>
<td>Supervised Field Experience</td>
<td>1-2</td>
</tr>
</tbody>
</table>

• 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: MPH 3
PHC 6166 Advanced Seminar in Health Care Management 2
(Case-based capstone course that includes the final comprehensive exam)

COURSES

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
HEALTH ADMINISTRATION AND PUBLIC HEALTH WITH A CONCENTRATION IN HEALTH POLICIES AND PROGRAMS

Concurrent Degrees:
Master of Health Administration (M.H.A.) Degree and Master of Public Health (M.P.H.) Degree

DEGREE INFORMATION

Minimum Total Hours: 67
Level: Masters
CIP Code: Refer to majors
Dept Code: Refer to majors
Major/College: MHA PH / MPH PH

CONTACT INFORMATION

College: Public Health
Contact Information: www.grad.usf.edu

MAJOR INFORMATION

The M.H.A./M.P.H. concurrent 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:
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 for admission to the major, listed below.

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 percentile preferred
- Quantitative GRE 50th percentile 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.
# CURRICULUM REQUIREMENTS

Plan of Study  Total minimum:  67 hrs

## M.H.A. ONLY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6147</td>
<td>Managing Quality in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6148</td>
<td>Strategic Planning and Health Care Marketing</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6180</td>
<td>Health Services Management</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6181</td>
<td>Organizational Behavior in Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6160</td>
<td>Health Care Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6161</td>
<td>Health Finance Applications</td>
<td>3</td>
</tr>
<tr>
<td>QMB 6305</td>
<td>Managerial Decision Making</td>
<td>2</td>
</tr>
<tr>
<td>PHC 6196</td>
<td>Information Systems in Health Care Management</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6191</td>
<td>Quantitative Analysis in Health Care Services</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6945</td>
<td>Supervised Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6166</td>
<td>Advanced Seminar in Health Care Management</td>
<td>2</td>
</tr>
</tbody>
</table>

## M.P.H. in Health Policies and Programs ONLY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6104</td>
<td>Management of Public Health Programs</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6063</td>
<td>Public Health Data, Information, and Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6760</td>
<td>Research Methods in Public Health Programs</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6945</td>
<td>Supervised Field Experience</td>
<td>2</td>
</tr>
</tbody>
</table>

## SHARED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6588</td>
<td>History and Systems of Public Health</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6756</td>
<td>Population Assessment I</td>
<td>5</td>
</tr>
<tr>
<td>PHC 6757</td>
<td>Population Assessment II</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6145</td>
<td>Translation to Public Health Practice</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6977</td>
<td>Special Project</td>
<td>3</td>
</tr>
</tbody>
</table>

## Health Policy and Management Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6435</td>
<td>Comparative Health Insurance Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6151</td>
<td>Health Policies and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6430</td>
<td>Health Economics I</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6420</td>
<td>Health Care Law, Regulation and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

# COURSES

See [http://www.ups.usf.edu/course-inventory/](http://www.ups.usf.edu/course-inventory/)
PUBLIC HEALTH

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

DEGREE INFORMATION

Priority Admission Application Deadlines:
Fall: May 1
Spring: June 15
Summer: November 15

International applicant deadlines:
http://www.grad.usf.edu/majors

* Global Health Practice admits in Fall term only.

Minimum Total Hours: 42
Level: Masters
CIP Code: 51.2201
Dept Code: DEA
(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

Major Website:
http://health.usf.edu/publichealth/apply/graduate-admissions/mph

Concentrations:
- Health Care Organizations and Management (HCO)
- Health Safety and Environment (HLE)
- Health Policies and Programs (HPP)
- Infection Control (IFC)
- Maternal and Child Health (PMC)
- Nutrition and Dietetics (NUD)
- Occupational Health (OCC)
- Occupational Health for Nurses (OCP)
- Occupational Medicine Residency (OMR)
- Occupational Safety (SFM)
- Public Health Administration (PHA)
- Public Health Education (PHN)
- Public Health Practice, PHP\(^1\)\(^2\)\(^3\)
- Social Marketing (SOM)
- Toxicology and Risk Assessment (TXY)

Also offered as Accelerated Major and Concurrent Degree Option. See below for information

\(^1\) Only available to concurrent M.S. Adult Nursing Students
\(^2\) Requires 3 years of health-related experience
\(^3\) Offered (1) executive program and (2) online
MAJOR INFORMATION

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

Concurrent Degrees Offered:
Public Health and Anthropology (M.P.H. with M.A. or Ph.D.)
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 major 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.)

Accreditation:
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 for admission to the major, listed below.

All applicants must take the Graduate Record Exam (GRE) or have taken an equivalent admissions examination within the five years preceding application and must meet the following criteria.
- Equivalent exams include the GMAT, MCAT, DAT or PCAT.
- LSAT is not accepted in lieu of the GRE.
- Although there are no required minimum scores, the applicant’s GRE score will be compared to the applicant pool and the national GRE norms.
- Applicants who have a terminal degrees such as the PhD, ScD or EdD, and those with advanced professional degrees (MD, DDS, DO, DVM, JD, PharmD, DPT) from accredited institutions and who are individually licensed in the United States in their profession may request to waive the GRE (http://health.usf.edu/publichealth/pdf/GRE%20Waiver.pdf). The GRE waiver is not automatic and must be approved by the College of Public Health.
- 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
- Applicants admitted to the M.H.A. or M.P.H. 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.
CURRICULUM REQUIREMENTS

Total Minimum Hours: 42 credit hours minimum

Core – 12 credit hours
Concentration/Electives - 26 credit hours minimum (varies with each concentration)
Field Experience – 1 credit hour minimum (varies with each concentration)
Special Project -3 credit hours
Comprehensive Exam

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

Core Courses – 12 hours
PHC 6588  1  History & Systems of Public Health
PHC 6756  5  Population Assessment: Part 1
PHC 6757  3  Population Assessment: Part 2
PHC 6140  3  Translation to Public Health Practice

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
- Passing the CPH exam is a requirement for graduation by all MPH students. Students must be enrolled for two credits the term taking the exam. 1st attempt the college of Public Health will pay funds permitting
- 2nd attempt student pays
- 3rd attempt is an oral exam given by the college of Public Health

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 Major 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
- Three letters of recommendation from academic and/or related professional sources.

Total Major Requirements with this concentration - 42 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 15 credit hours
Electives – 9 credit hours
Field Experience – 3 credit hours minimum

Concentration Course Requirements - 15 hours minimum
MHS 7740 3 Survey of Mental Health Planning, Evaluation, and Accountability
PHC 6546 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

Electives - 9 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

http://health.usf.edu/publichealth/
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 degree 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 major includes individuals with strong quantitative background and interests in a professional
career in a public health setting. The major 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
major will also provide students with knowledge in statistical and computational methods and public health.

Concentration Admission Information
In addition to the Major 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 Major requirements with this concentration – 44 hours minimum
In addition to the 15 hours required for the Major (Core Special Project and Comp Exam), this Concentration requires:

Concentration Course Requirements – 21 credit hours
Electives – 7 credit hours
Field Experience – 1 credit hour minimum

Prerequisites (Not included in total major 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 – 21 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
PHC 6096  3  Fundamentals of Probability

Electives - 7 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

http://health.usf.edu/publichealth/
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 degree 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 major; 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 Major 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
- 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 Major requirements with this concentration - 42 hours minimum  
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 16 credit hours  
Electives – 10 credit hours  
Field Experience – 1 credit hour minimum
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 - 10 hours minimum
Suggested Electives Related to Environmental Health:
PHC 6523 3 Food Safety
PHC 6510 3 Exotic and Emerging Infectious Diseases
PHC 6354 2 Safety and Health Administration
PHC 6353 2 Environmental Toxicology and Risk Assessment
PHC 6313 3 Indoor Environmental Quality
PHC 6422 2 Environmental Health Law

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 degree 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 major 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 Major 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 Major requirements with this concentration – 44 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 15 credit hours
Electives – 13 credit hours
Field Experience – 1 credit hour minimum

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

http://health.usf.edu/publichealth/
Electives - 13 hours
For Emphasis Area Support Courses, students will select additional coursework from the following categories:
- Infectious Disease Epidemiology (3 credits);
- Any Chronic Disease Epidemiology (3 credits);
- Epidemiology or Biostatistics methods course (3 credits);
- Four additional approved elective credit hours.

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 degree 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 major 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 Major 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 Major requirements with this concentration – 44 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements -15 credit hours
Electives - 13 credit hours
Field Experience – 1 credit hour minimum

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 - 13 hours
For Emphasis Area Support Courses, students will select additional coursework from the following categories:
- Infectious Disease Epidemiology (3 credits);
- Any course in Chronic Disease Epidemiology (3 credits);
- Epidemiology or Biostatistics methods course (3 credits);
- Four additional approved elective credit hours.
Field Experience - 1 hour minimum
PHC 6945 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 concurrent concentration 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 major 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 Major 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 Major requirements with this concentration - 50 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 27 credit hours
Electives – 7 credit hours
Field Experience – 1 credit hour minimum

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 - 27 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
PHC 6096 3 Fundamentals of Probability

Electives - 7 hours
For Emphasis Area Support Courses, students will select additional coursework from the following categories:
Infectious Disease Epidemiology (3 credits);
Course in Chronic Disease Epidemiology (3 credits);
One additional approved elective credit hour.

http://health.usf.edu/publichealth/
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 concurrent concentration major 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 concurrent 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 concurrent 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 concurrent major 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 Major Admission requirements, applicants must have the following:
- Students in this major require 2 advisors; One Epi., One Global Health.

**Total Major requirements with this concentration - 55 hours minimum**
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 21 credit hours (12 GCD, 9 EPI)
Electives – 16 credit hours
Field Experience – 3 credit hour minimum

**Concentration Requirements - 21 hours**

**Global Comm. Diseases Required Courses – 12 hours**
Students graduating from the Major 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 6601 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

**Electives - 16 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

Additional Electives – 4

**Field Experience – 3 hours minimum**
PHC 6945 3 Supervised Field Experience (up to 12 credits)  
*Field Experience must be Epidemiologic in content.*

**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 concurrent 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 Major Admission requirements, applicants must have the following:  
Students in this major require 2 advisors; One Epi., One Global Health.

**Total Major requirements with this concentration - 52 hours minimum**
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 21 credit hours  
Electives – 10 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 - 10 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

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

Additional Electives – 4

Field Experience – 6 hours minimum
PHC 6945 3 Supervised Field Experience (up to 12 credits)
Field Experience must be international and Epidemiologic in content. 6 hours minimum

EPIDEMIOLOGY AND MATERNAL AND CHILD HEALTH (EMC) (Concurrent 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 concurrent 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 Major Admission requirements, applicants must have the following:
Students in this major require 2 advisors; One Epi., One Community and Family Health

Total Major requirements with this concentration - 52 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 27 credit hours
Electives – 7 credit hours
Field Experience – 3 credit hour minimum

http://health.usf.edu/publichealth/
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 - 7 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

Additional Electives - 4

Field Experience – 3 hours minimum
PHC 6945  3  Supervised Field Experience

EXECUTIVE PROGRAM FOR HEALTH PROFESSIONALS (EPH)
The Executive Weekend MPH concentration 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 Major requirements with this concentration - 43 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours
Electives – 15 credit hours
Field Experience – 1 credit hour minimum

Electives - 15 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)
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 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 Major 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
- 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 Major requirements with this concentration - 42 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 12 credit hours minimum
Electives – 13 credit hours minimum
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 - 13 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 major 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 Major 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

Total Major requirements with this concentration – 42 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –15 credit hours
Electives – 9 credit hours
Field Experience – 3 credit hours minimum

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

http://health.usf.edu/publichealth/
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 Major 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. major.

Total Major requirements with this concentration - 42 hours minimum
In addition to the 15 hours required for the Major (Core, 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 6254 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

http://health.usf.edu/publichealth/
Homeland Security
PHC 6235  3  Critical Infrastructure Protection for Public Health Concepts
PHC 6236  3  Business Continuity for Global Health and Security
PHC 6255  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.

Concentration Admission Information
In addition to the Major Admission requirements, applicants must have the following:

- Suggested/preferred undergraduate majors: none
- Work experience: not required
- Other criteria: Minimum technology requirements include intermediate computer skills, two letters of recommendation, resume, and goal statement.

Total Major requirements with this concentration - 45 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

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 6705  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  Eco Health & the Ecology of Tropical Infectious Diseases
HEALTH CARE ORGANIZATIONS AND MANAGEMENT (HCO)

Offered from the Department of Health Policy and Management

The Health Care Organizations and Management concentration is designed for individuals interested in the management of hospitals, group practices, health departments, and other provider organizations. The concentration 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 Major 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

Total Major requirements with this concentration - 42 hours minimum

In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements - 18 hours minimum
Electives - 8 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 H ealth Care Mgt

Electives - 8 hours minimum
Examples of common elective options:
PHC 6146 3 Health Services Planning and Evaluation
PHC 6147 3 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 degree 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 Major 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

Total Major requirements with this concentration - 42 hours minimum

In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements - 15 credit hours
Electives - 11 credit hours minimum
Field Experience - 1 credit hour minimum

Concentration Course Requirements - 15 hours minimum

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6151</td>
<td>3</td>
<td>Health Policy and Politics</td>
</tr>
<tr>
<td>PHC 6430</td>
<td>3</td>
<td>Health Economics I</td>
</tr>
<tr>
<td>PHD 6760</td>
<td>3</td>
<td>Research Methods in Public Health Programs</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6420</td>
<td>3</td>
<td>Health Care Law, Regulation, and Ethics</td>
</tr>
<tr>
<td>PHC 6421</td>
<td>3</td>
<td>Public Health Law &amp; Ethics</td>
</tr>
</tbody>
</table>

Additional Requirements (choose one of the following)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6063</td>
<td>3</td>
<td>Public Health Data, Information &amp; Decision Making</td>
</tr>
<tr>
<td>PHC 6435</td>
<td>3</td>
<td>Comparative Health Insurance Systems</td>
</tr>
</tbody>
</table>

Electives - 11 hours

Examples of common elective options

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6104</td>
<td>3</td>
<td>Management of Public Health Programs</td>
</tr>
<tr>
<td>PHC 6148</td>
<td>3</td>
<td>Strategic Planning and Health Care Marketing</td>
</tr>
</tbody>
</table>

Field Experience – 1 hour minimum

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6945</td>
<td>1-3</td>
<td>Supervised Field Experience (up to 12 credits)</td>
</tr>
</tbody>
</table>

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 Major requirements with this concentration - 43 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 16 credit hours
Electives – 9 credit hour minimum
Field Experience – 3 credit hour minimum

Concentration Course Requirements - 16 hours minimum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6307</td>
<td>3</td>
<td>Principles of Exposure Assessment and Control</td>
</tr>
<tr>
<td>PHC 6300</td>
<td>3</td>
<td>Principles of Environmental Health</td>
</tr>
<tr>
<td>PHC 6325</td>
<td>3</td>
<td>Environmental Laboratory Principles</td>
</tr>
<tr>
<td>PHC 7931</td>
<td>1</td>
<td>Interdisciplinary Seminar: Case studies in EOH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and 2 of the following 3 courses:</td>
</tr>
<tr>
<td>PHC 6345</td>
<td>3</td>
<td>HSE Management and Administration</td>
</tr>
<tr>
<td>PHC 6355</td>
<td>3</td>
<td>Principles of Occupational Safety</td>
</tr>
<tr>
<td>PHD 6326</td>
<td>3</td>
<td>Global Issues in Environmental Health</td>
</tr>
</tbody>
</table>

Electives - 9 hours
Approved electives: Other electives may be approved by the assigned advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6310</td>
<td>3</td>
<td>Environmental and Occupational Toxicology</td>
</tr>
<tr>
<td>PHC 6353</td>
<td>2</td>
<td>Environmental Toxicology Risk Assessment</td>
</tr>
<tr>
<td>PHC 6350</td>
<td>3</td>
<td>Occupational Toxicology and Risk Assessment</td>
</tr>
<tr>
<td>PHC 6515</td>
<td>3</td>
<td>Food Safety</td>
</tr>
<tr>
<td>PHC 6186</td>
<td>3</td>
<td>Public Health Emergencies in Large Populations</td>
</tr>
</tbody>
</table>

Field Experience – 3 hour minimum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6945</td>
<td>3</td>
<td>Supervised Field Experience (up to 12 credits)</td>
</tr>
</tbody>
</table>

INFECTION CONTROL (IFC)
Offered from the Department of Global Health

Total Major requirements with this concentration - 42 hours
In addition to the 15 hours required for the Major (Core, 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6251</td>
<td>3</td>
<td>Disease Surveillance and Monitoring</td>
</tr>
<tr>
<td>PHC 6562</td>
<td>3</td>
<td>Microbiology for Healthcare Workers</td>
</tr>
<tr>
<td>PHC 6517</td>
<td>3</td>
<td>Infectious Disease Prevention Strategies</td>
</tr>
<tr>
<td>PHC 6314</td>
<td>3</td>
<td>Infection Control Program Design</td>
</tr>
<tr>
<td>PHC 6186</td>
<td>3</td>
<td>Public Health Emergencies in Large Populations</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6002</td>
<td>3</td>
<td>Infectious Disease Epidemiology</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHC 6190</td>
<td>3</td>
<td>Public Health Database Management</td>
</tr>
</tbody>
</table>

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 Major 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
- Other criteria: Three letters of recommendation from academic and/or related professional sources, career goals statement

Total Major requirements with this concentration - 42 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –15 credit hours
Electives – 9 credit hour minimum
Field Experience – 3 credit hour minimum

Concentration Course Requirements - 15 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 6708  3  Evaluation and Research Methods in Community Health
Electives - 9 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 Major 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
- Three letters of recommendation from academic and/or related professional sources.

Total Major Requirements with this concentration - 42 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 15 Credit hours
Electives – 3 credit hours (dietetic interns)/9 credit hours (dietitians only)
Field Experience – 9 credit hours (dietetic interns)/ 3 credit hours (dietitians)

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

Electives - 3 hours minimum (dietetic interns only)/9 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

http://health.usf.edu/publichealth/
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 graduate 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 concurrent 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 major 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 Major 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

Total Major requirements with this concentration - 43 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 13 credit hours
Electives – 14 credit hour minimum
Field Experience – 1 credit hour minimum

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

4 Only available to concurrent M.S. Adult Nursing Students
Electives - 14 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 Concurrent 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)
(Concurrent 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. Concurrent 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 Major requirements with this concentration - 42 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 17 credit hours
- Electives – 4 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

Electives – 4 hours

Field Experience – 6 hour minimum
- PHC 6945 6  Supervised Field Experience (up to 12 credits)
(Occupational Health Nursing)
**Occupational Medicine Residency (OMR)**
Offered from the Department of Environmental and Occupational Health

**Total Major Requirements with this concentration – 43 hours minimum**
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 11 credit hours  
Electives – 17 credit hours minimum  
Field Experience – This requirement will be satisfied with 24 months of required clinical rotations. No credit hours will be given.

Comprehensive Exam: While strongly encouraged, students in this concentration are not required to take the CPH Exam. It may be a required component of some electives.
Concentration Exam: Students in this concentration are required to pass an Occupational Medicine Concentration Exam.

**Concentration Course Requirements - 11 hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6356</td>
<td>2</td>
<td>Industrial Hygiene</td>
</tr>
<tr>
<td>PHC 6351</td>
<td>3</td>
<td>Occupational Medicine for Health Professionals</td>
</tr>
<tr>
<td>PHC 6361</td>
<td>2</td>
<td>Industrial Ergonomics</td>
</tr>
<tr>
<td>PHC 6930</td>
<td>4</td>
<td>Public Health Seminar Occupational Medicine Seminar – 1 credit per semester for 4 semester</td>
</tr>
</tbody>
</table>

**Electives – 17 hours minimum**

Required Electives – 14 hours minimum

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6360</td>
<td>2</td>
<td>Safety Management Principles and Practices or other approved Safety course</td>
</tr>
<tr>
<td>PHC 6364</td>
<td>2</td>
<td>Industrial Hygiene Aspects of Plant Operations</td>
</tr>
<tr>
<td>PHC 6423</td>
<td>2</td>
<td>Occupational Health Law</td>
</tr>
<tr>
<td>PHC 7019</td>
<td>3</td>
<td>Occupational Epidemiology</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6354</td>
<td>2</td>
<td>Safety and Health Administration</td>
</tr>
<tr>
<td>PHC 6345</td>
<td>3</td>
<td>HSE Management and Administration</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6310</td>
<td>3</td>
<td>Environmental Occupational Toxicology</td>
</tr>
<tr>
<td>PHC 6350</td>
<td>3</td>
<td>Occupational Toxicology and Risk Assessment</td>
</tr>
</tbody>
</table>

Additional Electives – 3 hours

(All elective choices should be discussed with your advisor. Examples of common electives.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6370</td>
<td>Biological and Surface Monitoring</td>
</tr>
<tr>
<td>PHC 6373</td>
<td>Protecting Public Health: Bioterrorism/Biodefense</td>
</tr>
<tr>
<td>PHC 6517</td>
<td>Infectious Disease Prevention Strategies</td>
</tr>
</tbody>
</table>

**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 major 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 major is a collaborative effort between the College of Public Health and the College of Engineering.

**Concentration Admission Information**
In addition to the Major 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 Major requirements with this concentration - 44 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 20 credit hours
Electives – 8 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 - 8 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 concentration 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 Major 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
Total Major requirements with this concentration - 42 hours minimum
(Note: corrected error from 43 to 42 on 10/13/17)
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements – 15 credit hours
Electives – 12 credit hour minimum
Field Experience – 1 credit hour minimum

Concentration Course Requirements - 15 hours minimum
PHC 6146  3  Health Services Planning and Evaluation
PHC 6147  3  Managing Quality in Health Care
PHC 6104  3  Management of Public Health Programs
PHC 6421  3  Public Health Law and Ethics
PHC 6063  3  Public Health Data, Information and Decision Making

Approved Electives - 11 hours (Note: corrected error from 12 to 11 hours on 10/13/17)
Field Experience – 1 hour minimum
PHC 6945  1-3  Supervised Field Experience (up to 6 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 concentration 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 Major 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 Three letters of recommendation from academic and/or related professional sources.
- Career goal statement

Total Major requirements with this concentration - 44 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

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

Concentration Course Requirements - 17 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 6412  3  Health Disparities and Social Determinants
PHC 6708  3  Evaluation and Research Methods in Community Health

**Health Education Support/Elective – 6 hours minimum**
Examples of common elective options

- 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 6506  3  Community Health Education
- PHC 6533  3  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)**

**Offered as a College Wide Concentration**

The Master of Public Health with a Concentration in Public Health Practice is a college-wide interdisciplinary major 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 major 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 degree Program via distance learning and Executive Weekend MPH. 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 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 concentration 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

---

5 Requires 3 years of health-related experience
6 Offered (1) executive program and (2) online
semesters. The time required to complete the online MPH degree program ranges from approximately 2.5 to 5 years, depending on time of entry into the major, 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 Major requirements with this concentration – 43 hours minimum**

In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours  
Electives –15 credit hours minimum  
Field Experience – 1 credit hour minimum

**Concentration Course Requirements - 12 hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6120</td>
<td>3</td>
<td>Community Partnerships and Advocacy</td>
</tr>
<tr>
<td>PHC 6421</td>
<td>3</td>
<td>Public Health Law and Ethics</td>
</tr>
<tr>
<td>PHC 6104</td>
<td>3</td>
<td>Management of Public Health Programs</td>
</tr>
<tr>
<td>PHC 6146</td>
<td>3</td>
<td>Health Services Planning and Evaluation</td>
</tr>
</tbody>
</table>

**Electives - 15 hours**

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

**Field Experience – 1 hour minimum**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6945</td>
<td>1</td>
<td>Supervised Field Experience (up to 12 credits)</td>
</tr>
</tbody>
</table>

**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 concentration 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 Major 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. Three letters of recommendation from academic and/or related professional sources.
5. Career goal statement

**Total Major requirements with this concentration - 42 hours minimum**

In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –12 credit hours  
Electives – 12 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 - 12 hours

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

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 major 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 Major 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.
•  Other criteria: TOEFL Score (International Students) 550.

Total Major requirements with this concentration - 44 hours minimum
In addition to the 15 hours required for the Major (Core, Special Project, and Comp Exam), this Concentration requires:

Concentration Course Requirements –23 credit hours
Electives – 4 credit hours
Field Experience – 2 credit hours minimum

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

Electives – 4 hours

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 major requirements, refer to the college website:
http://health.usf.edu/publichealth/eoh/~link.aspx?_id=E3649390675E4F16A23170C292AFC86E&_z=z

OTHER INFORMATION

Certificates:
(for information click on the graduate certificates at
http://www.usf.edu/innovative-education/programs/graduate-certificates/

COURSES
See http://www.ups.usf.edu/course-inventory/
PUBLIC HEALTH AND MEDICINE

Concurrent Degrees: Master of Public Health (M.P.H.)/Doctorate of Medicine (M.D.) Degrees

DEGREE INFORMATION

Refer to each major for deadlines
Minimum Total Hours: 42 (MPH), 4-year program (MD)
Total hours shared: 9 credit hours
Level: Masters/Doctorate
CIP Codes: 51.2201 / 51.1201
Dept. Codes: Refer to the Major
(Major/College): MPH/PH, MD/MD

CONTACT INFORMATION

Colleges: Public Health/Medicine
Contact Information: www.grad.usf.edu

MAJOR INFORMATION

The concurrent MPH/MD degree provides a unique opportunity for medical students who are interested in blending their field of medicine with the discipline of public health. The students recognize the value of inter-professional education within health as well as the professional opportunities that require concurrent skill sets.

The two majors review applicants independently and admission to one major in no way guarantees admission into the other major. Medical students must be admitted and in good standing when applying for the MPH degree. Upon completion of all requirements for the concurrent degrees, the student submit separate applications for graduation. Both (MPH and MD) degrees are certified individually by each college prior to graduation. Students receive two diplomas.

Accreditation:
The College is fully accredited by the Council on Education in Public Health.

ADMISSION INFORMATION

Applicants must meet University Admission Requirements (see Graduate Admissions section) and USF Medical School admission requirements as well as the requirements for each major. Refer to the individual listings for the MPH and MD for admission requirements specific to the major.

CURRICULUM REQUIREMENTS

For specific information on the requirements for the major, please refer the Catalog listing for that major.

M.P.H. in Public Health – total minimum hours – 42 credit hours
M.D. in Medicine – total minimum hours – 369 hours – (This is a 4-year major, resulting in 369 hours)
411 Total hours, with 9 credit hours shared, resulting in total combined: 402 hours

Shared Courses: The following courses are approved to be shared with both majors:
Transferred from MD degree
BMS 5005 Professions of Health 2 credits
BMS 6825 Doctoring I 7 out of 12 credits

For all other curriculum requirements, including Thesis/non-Thesis, Internship, Comprehensive Examination, etc., refer to the Catalog listing for that major.
# PUBLIC HEALTH

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

### DEGREE INFORMATION

<table>
<thead>
<tr>
<th>Priority Admission Application Deadlines:</th>
<th>CONTACT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall: May 1</td>
<td>College: Public Health</td>
</tr>
<tr>
<td>Spring: June 15</td>
<td>Contact Information: <a href="http://www.grad.usf.edu">www.grad.usf.edu</a></td>
</tr>
<tr>
<td>Summer: November 15</td>
<td></td>
</tr>
</tbody>
</table>

International applicant deadlines: [http://www.grad.usf.edu/majors](http://www.grad.usf.edu/majors)

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

Minimum Total Hours: 42  
Level: Masters  
CIP Code: 51.2299  
Dept Code: DEA  
(Major/College): MSP PH  
Approved: 2002

### Concentrations and total hours for the Major 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
- International Public Health Research, Policy and Planning (PIP) – 42
- Maternal and Child Health (PMH) – 44
- Occupational Exposure Science ((OES -45
- Occupational Health (POH)7 – 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

7 Only for health professionals
MAJOR 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 major. 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:

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for admission to the major, listed below.

All applicants must take the Graduate Record Exam (GRE) or have taken an equivalent admissions examination within the five years preceding application and must meet the following criteria:

Equivalent exams include the GMAT, MCAT, DAT or PCAT.

- LSAT is not accepted in lieu of the GRE.
- Although there are no required minimum scores, the applicant’s GRE score will be compared to the applicant pool and the national GRE norms.
- Applicants who have a terminal degree such as the PhD, ScD or EdD, and those with advanced professional degrees (MD, DDS, DO, DVM, JD, PharmD, DPT) from accredited institutions and who are individually licensed in the United States in their profession may request to waive the GRE (http://health.usf.edu/publichealth/pdf/GRE%20Waiver.pdf). The GRE waiver is not automatic and must be approved by the College of Public Health.
- 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.

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

Total Minimum Hours: 42 credit hours

Core Requirements – 9 hours
Concentration Course Requirements – 27 hours (varies by concentration, includes research courses and electives)
Thesis – 6 hours minimum

Core Course – 9 hours
PHC 6588   1   History and Systems of Public Health
PHC 6756   5   Population Assessment: Part 1
PHC 6757   3   Population Assessment: Part 2

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 Major 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
- Three letters of recommendation from academic and/or related professional sources, goal statement

Total Major Requirements with this concentration - 44 hours minimum

In addition to the 15 hours required for the Major Core 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 Major Requirements with this concentration - 42 hours minimum
In addition to the 15 hours minimum required for the Major Core 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 Major 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.
- 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 Major Requirements with this concentration – 45 hours minimum
In addition to the 15 hours required for the Major Core Requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 12 credit hours
Research Courses – 9 credit hours
Electives – 9 credit hours
Concentration Course Requirements – 15 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
PHC 6096 3 Fundamentals of Probability

Research Courses – 9 credit hours
PHC 6051 3 Biostatistics II
PHC 6053 3 Categorical Data Analysis
HSC 6055 3 Survival Analysis

Elective Courses – 6 credit hours
Examples of common elective options:
HSC 6056 3 Survey Sampling Methods in Health Sciences
PHC 7098 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 Major admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

- 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.
- 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 Major Requirements with this concentration – 42 credit hours minimum
In addition to the 15 hours required for the Major Core Requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements – 15 credit hours
Research Courses – 9 credit hours
Electives – 9 credit hours

Concentration Course Requirements – 15 credit hours
PHC 6301 3 Water Pollution and Treatment
PHC 6310 3 Environmental Occupational Toxicology
PHC 6303 3 Community Air Pollution
PHC 6512 3 Vectors of Human Disease
PHC 6356 2 Industrial Hygiene (or approved course)
PHC 6930 1 Public Health Seminar
Research Courses – 3 credit hours
PHC 6051 3 Biostatistics II

Elective Courses – 9 credit hours
Examples of Electives Related to Environmental Health:
PHC 6701 3 Computer Applications for Public Health Researchers
PHC 6510 3 Exotic and Emerging Infectious Diseases
PHC 6934 3 Selected Topics: Water Resources Management Principles
PHC 6353 3 Environmental Toxicology and Risk Assessment
PHC 6313 3 Indoor Environmental Quality
PHC 6934 1 Selected Topics: Water & Wastewater Analysis Laboratory

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

EPIDEMIOLOGY (PEY)
Pre-requisites and Admissions Information
In addition to meeting the major admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

• 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.
• 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 Major Requirements with this concentration 48 hours minimum
In addition to the 15 hours required for the Major Core 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
PHC 6051 3 Biostatistics II
PHC 6010 3 Epidemiology Methods I
PHC 6053 3 Categorical Data Analysis
PHC 7935 3 Special Topics: Intermediate SAS

Research Courses – 9 credit hours
PHC 7703 3 Advanced Research Methods in Epidemiology
HSC 6055 3 Survival Analysis
PHC 6011 3 Epidemiology Methods II

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

http://health.usf.edu/publichealth/
GENETIC COUNSELING (GTC)
This Master's concentration 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 with this major and concentration will have job opportunities in clinical genetic counseling practice, public health genetics/genomics, industry and academic genomics research. The major curriculum and clinical rotation requirements meet or exceed the required competencies and standards needed to apply for and achieve major 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 Major 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 major:
  - 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 major. 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.
- 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 Major Requirements with this concentration - 42 hours minimum
In addition to the 9 hours required for the Major Core 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6030</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6358</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6601</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6434</td>
<td>3</td>
</tr>
<tr>
<td>GMS 6604</td>
<td>3</td>
</tr>
<tr>
<td>GMS 6520</td>
<td>3</td>
</tr>
<tr>
<td>GMS 6521</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6593</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6572</td>
<td>3</td>
</tr>
<tr>
<td>PHC 6940</td>
<td>3 min</td>
</tr>
</tbody>
</table>

Research Courses – 3 credit hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6911</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6913</td>
<td>1</td>
</tr>
<tr>
<td>PHC 6915</td>
<td>1</td>
</tr>
</tbody>
</table>

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 Major admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

- 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
- Other criteria: International applicants: TOEFL of 550 for paper-based instrument or 213 for computer-based instrument
- 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 is required

Total Major Requirements with this concentration - 42 hours minimum

In addition to the 15 hours required for the Major Core Requirements and the thesis, 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
**OCCUPATIONAL EXPOSURE SCIENCE (OES)**

**Pre-requisites and Admissions Information**

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

- Preferred undergraduate majors: science, math, or engineering.
- Prerequisite undergraduate courses: substantial evidence of successful performance in science, mathematics, engineering and technology courses.
- Work experience: None required; however, occupational health related work experience is beneficial.
- Preferred undergraduate GPA: Upper division GPA $\geq$ 3.0.
- Recommendations: Three letters of recommendation are required.

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

In addition to the 15 hours required for the Major Core Requirements and the thesis hours, this Concentration requires:

- Concentration Course Requirements – 22 credit hours
- Elective courses – 6 credit hours
- Culminating Experience – 2 credit hours

**Concentration Course Requirements – 22 credit hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title and Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6356</td>
<td>2</td>
<td>Industrial Hygiene (PR: CI)</td>
</tr>
<tr>
<td>PHC 6358</td>
<td>2</td>
<td>Physical Agents – Assessment and Control (PR: CI)</td>
</tr>
<tr>
<td>PHC 6310</td>
<td>3</td>
<td>Environmental Occupational Toxicology (PR: CI)</td>
</tr>
<tr>
<td>PHC 6361</td>
<td>2</td>
<td>Industrial Ergonomics (PR: CI)</td>
</tr>
<tr>
<td>PHC 6365C</td>
<td>2</td>
<td>Analytical Methods in Industrial Hygiene I (PR: CI)</td>
</tr>
<tr>
<td>PHC 6366C</td>
<td>2</td>
<td>Analytical Methods in Industrial Hygiene II (PR: CI)</td>
</tr>
<tr>
<td>PHC 6423</td>
<td>2</td>
<td>Occupational Health Law (PR: PHC 6357 or CI)</td>
</tr>
<tr>
<td>PHC 6360</td>
<td>2</td>
<td>Safety Management Principles and Practices (PR: CI)</td>
</tr>
<tr>
<td>PHC 6362</td>
<td>2</td>
<td>Industrial Ventilation (PR: PHC 6356 or CI)</td>
</tr>
<tr>
<td>PHC 6345</td>
<td>3</td>
<td>HSE Management and Administration</td>
</tr>
</tbody>
</table>

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

**Elective Courses – 6 credit hours**

Examples of electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6303</td>
<td>3</td>
<td>Community Air Pollution</td>
</tr>
<tr>
<td>PHC 6350</td>
<td>3</td>
<td>Occupational Toxicology and Risk Assessment</td>
</tr>
<tr>
<td>PHC 6351</td>
<td>3</td>
<td>Occupational Medicine for Health Professionals</td>
</tr>
<tr>
<td>PHC 6422</td>
<td>2</td>
<td>Environmental Health Law</td>
</tr>
<tr>
<td>PHC 6364</td>
<td>2</td>
<td>Industrial Hygiene Aspects of Plant Operations</td>
</tr>
<tr>
<td>PHC 6313</td>
<td>3</td>
<td>Indoor Environmental Quality</td>
</tr>
<tr>
<td>EIN 6216</td>
<td>3</td>
<td>Occupational Safety Engineering</td>
</tr>
<tr>
<td>PHC 7368</td>
<td>2</td>
<td>Aerosol Technology in Industrial Hygiene</td>
</tr>
<tr>
<td>EIN 6215</td>
<td>3</td>
<td>Engineering System Safety</td>
</tr>
<tr>
<td>PHC 7317</td>
<td>2</td>
<td>Risk Communication in Public Health</td>
</tr>
<tr>
<td>PHC 6369</td>
<td>2</td>
<td>Industrial Toxicology</td>
</tr>
<tr>
<td>PHC 6354</td>
<td>2</td>
<td>Safety and Health Administration</td>
</tr>
<tr>
<td>PHC 6051</td>
<td>3</td>
<td>Biostatistics II (Because this is a practice degree, Biostatistics II is not required)</td>
</tr>
<tr>
<td>PHC 7018</td>
<td>3</td>
<td>Environmental Epidemiology</td>
</tr>
</tbody>
</table>

**Culminating Experience – 2 credit hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 6945</td>
<td>2</td>
<td>Supervised Field Experience</td>
</tr>
</tbody>
</table>
Comprehensive Exam

Students must take the Occupational Exposure Science Concentration Exam in a term when the student is enrolled for a minimum of 2 credit hours. 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 to student’s advisor and the Department Chair evidence of having attained one of these certifications, and request and receive written approval to be exempt from the this concentration exam.

INTERNATIONAL PUBLIC HEALTH RESEARCH, POLICY AND PLANNING (PIP)

Total Major Requirements with this concentration – 42 hours minimum

In addition to the 15 hours required for the Major Core 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

MATERNAL AND CHILD HEALTH (PMH)

Pre-requisites and Admissions Information

In addition to meeting the Major 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
- Three letters of recommendation from academic and/or related professional sources, goal statement

Total Major Requirements with this concentration – 44 hours minimum

In addition to the 15 hours required for the Major Core 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)
Pre-requisites and Admissions Information
In addition to meeting the Major 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.
  - 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 major and a valid clinical license.
  - Other health professionals: Must meet MSPH minimums

Total Major Requirements with this concentration – 47 credit hours minimum

In addition to the 15 hours required for the Major Core Requirements and the thesis hours, this Concentration requires:
Concentration Course Requirements – 23 credit hours
Elective courses – 9 credit hours

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

8 Only for health professionals
Select ONE of the following:

- PHC 6310 3 Environmental Occupational Toxicology
- PHC 6350 3 Occupational Toxicology and Risk Assessment

**Elective Courses — 9 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 Major 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.
  - 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 major and a valid clinical license.
  - Residency Program: waived with documentation of unrestricted valid U.S. medical license.

**Total Major Requirements with this concentration — 47 credit hours minimum**

In addition to the 15 hours required for the Major Core Requirements and the thesis hours, this Concentration requires:

Concentration Course Requirements — 23 credit hours

Elective courses — 9 credit hours

**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 – 9 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 Major 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 Major Requirements with this concentration - 46 credit hours minimum
In addition to the 15 hours required for the Major Core 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 major

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 Major 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
- Three letters of recommendation from academic and/or related professional sources, goal statement

Total Major Requirements with this concentration – 44 credit hours minimum
In addition to the 15 hours required for the Major Core 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 Major 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
- Three letters of recommendation from academic and/or related professional sources, goal statement

Total Major Requirements with this concentration - 44 credit hours minimum
In addition to the 15 hours required for the Major Core 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 Major admission requirements for the Master of Science in Public Health in Public Health, applicants should also meet these concentration prerequisites:

- Suggested/preferred undergraduate majors: Sciences - biology, chemistry, physics, and environmental science.
- Prerequisites undergraduate courses: Courses in biology and chemistry.
- Work experience: Not required.

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

In addition to the 15 hours required for the Major Core 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**

http://health.usf.edu/publichealth/
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 MAJOR INFORMATION

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

COURSES
See http://www.ugs.usf.edu/course-inventory/
PUBLICT HEALTH

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Priority Admission Application Deadlines:
Fall: February 15
Spring: June 15
Summer: November 15

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: 55 post master's
Level: Doctoral
CIP Code: 51.2201
Dept Code: DEA
(Major/College): PPH PH
Approved: 1987

Concentrations:
Biostatistics (BST)
Community and Family Health (CFH)
Environmental and Occupational Health (EOH)
Epidemiology (EPY)
Global Communicable Disease (TCD)
Health Services Research (HPM)

CONTACT INFORMATION

College: Public Health
Contact Information: www.grad.usf.edu

MAJOR 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 certificates, and a professional M.P.H. for experienced Health Care professionals.

Accreditation:
The College is fully accredited by the Council on Education in Public Health.

Major Research Areas:
Faculty major research areas are listed at: http://health.usf.edu/publichealth/index.htm
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for admission to the major, listed below. Applicants to the doctoral major 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. major 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. All applicants must take the Graduate Record Exam (GRE) or have taken an equivalent admissions examination within the five years preceding application.
      - Equivalent exams include the GMAT, MCAT, DAT or PCAT.
      - LSAT is not accepted in lieu of the GRE.
      - Although there are no required minimum scores, the applicant’s GRE score will be compared to the applicant pool and the national GRE norms.
      - Applicants who have a terminal degrees such as the PhD, ScD or EdD, and those with advanced professional degrees (MD, DDS, DO, DVM, JD, PharmD, DPT) from accredited institutions and who are individually licensed in the United States in their profession may request to waive the GRE (http://health.usf.edu/publichealth/pdf/GRE%20Waiver.pdf). The GRE waiver is not automatic and must be approved by the College of Public Health.
    - Grade point average of 3.0
    - Transcripts
    - Resume or curriculum vitae
    - Each applicant must submit at least two formal 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.

MAJOR REQUIREMENTS

Total minimum hours – 55

Core: 13 credit hours
Concentration: 6-12 credit hours minimum
Electives: 12-18 credit hours minimum
Dissertation: 18 credit hours minimum

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.

Total Minimum Hours: 55 hours post-master’s

Public Health Core Courses - 13 credit hours
PHC 7935/PHC 7116 1 Introduction to Public Health Doctoral Training
PHC 7154 3 Evidence-Informed Public Health I
PHC 7103 3 Transforming Public Health Practice
PHC 7149 1 Practical Applications II: Public Health Leadership
PHC 7934 3 Writing for Scholarly Publications in Health Sciences
HSC 7268 2 Professional Foundations III: Joining the Academy

http://health.usf.edu/publichealth/
Concentration Options (students select one of the following concentrations):

**Biostatistics - 12 credit hours**
- PHC 6061 3 Biostatistics Case and Collaboration II
- PHC 7098 3 Generalized Linear Models
- PHC 7059 3 Advanced Survival Data Analysis
- PHC 7056 3 Longitudinal Data Analysis

**Community and Family Health - 12 credit hours**
- PHC 7405 3 Theoretical Application to Public Health Issues
- PHC 7702 3 Advanced Public Health Research and Evaluation Methods
- PHC 7704 3 Applied Research Methods in Community and Family Health
- PHC 7152 3 Policy and Practice in Community and Family Health Programs

**Environmental and Occupational Health - 12 credit hours**
- PHC 6356 2 Industrial Hygiene
- PHC 6310 3 Environmental & Occupational Toxicology
- PHC 6303 3 Community Air Pollution
- PHC 7317 2 Risk Communication in Public Health
- PHC 6423 2 Occupational Health Law

**Epidemiology - 12 credit hours**
- PHC 6011 3 Epidemiology Methods II
- PHC 7042 3 Practical Issues in Epidemiology
- PHC 6081 3 Intermediate SAS in Epidemiology
- PHC 6934 3 Selected Topics: Foundations of Clinical Trials

**Global Communicable Diseases – 6 credit hours minimum**
Select at least six credits of the following courses. Course choices should be approved following consultation with the student’s committee. Course substitutions will be permitted with the student committee’s approval.

- ANG 6701 3 Contemporary Applied Anthropology
- ANG 6732 3 Global Health from an Anthropological Perspective
- ANG 6469 3 Selected Topics in Medical Anthropology
- BCH 6889 3 Bioinformatics II
- BSC 6932 3 Selected Topics: Proteomics
- GIS 6306 3 Environmental Applications GIS
- GIS 6038C 3 Remote Sensing
- GMS 6101 3 Molecular and Cellular Immunology
- GMS 6110 2 Microbial Pathogens and Host-Parasite Interactions
- GMS 6200C 5 Biochemistry, Molecular and Cellular Biology
- GMS 7930 2 Selected Topics: Medical Parasitology & Mycology
- PCB 6525 3 Molecular Genetics
- PHC 6010 3 Epidemiology Methods I
- PHC 6106 3 Global Health Program Development and Administration
- PHC 6190 3 Public Health Database Management
- PHC 6251 3 Disease Surveillance and Monitoring
- PHC 6373 3 Protecting Public Health: Bioterrorism/Biodefense
- PHC 6442 3 Global Health Applications in the Field
- PHC 6511 3 Public Health Immunology
- PHC 6512 3 Vectors of Human Disease
- PHC 6513 3 Public Health Parasitology
- PHC 6761 3 Global Health Assessment Strategies
- PHC 6764 3 Global Health Principles and Contemporary Issues
- PHC 6934 3 Selected Topics: Public Health GIS
- PHC 7908 3 Specialized Study in Public Health
- PHC 7122 3 Vaccinology
- PHC 7935 3 Special Topics in Public Health: Field Methods I: EcoHealth & Ecology
- PHC 7935 3 Special Topics in Public Health: Infection Control in Developing Countries
Health Services Research – 12 credit hours
QMB 7565  3  Introduction to Research Methods
QMB 7566  3  Applied Multivariate Statistical Methods
PHC 7936  3  Seminar in Health Care Outcomes Measurement
PHC 7437  3  Applications in Health Economics

Electives - 12 credit hours minimum

Dissertation - 18 credit hours
PHC 7980  18  Dissertation: Doctorate

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 initiation 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/ETD-res-main.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 1 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.

http://health.usf.edu/publichealth/
OTHER INFORMATION

Certificates: (for information click on the graduate certificates at http://www.usf.edu/innovative-education/majors/graduate-certificates/)

COURSES
See http://www.ugs.usf.edu/course-inventory
PUBLIC HEALTH

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

DEGREE INFORMATION

Priority Admission Application Deadlines:
Fall: November 15
Annually

International applicant deadlines:
http://www.grad.usf.edu/majors

Minimum Total Hours: 43 post-masters
Level: Doctoral
CIP Code: 51.2201
Dept Code: DEA
Major/College: DPH PH

CONTACT INFORMATION

College: Public Health
Contact Information: www.grad.usf.edu

MAJOR INFORMATION

The Doctor of Public Health (DrPH) is a professional, practice-oriented research degree that is granted in recognition of the attainment of a broad set of practice, analytic and evaluative skills, including demonstrated public health leadership skills. The Dr.P.H. prepares individuals for leadership roles in practice-based settings such as health departments, non-profit organizations, health services, 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-based public health practice.

The Dr.P.H. degree has one concentration in Advanced Practice Leadership in Public Health, with a core and concentration curriculum applicable to four domains of knowledge: Community Engagement, Leadership and Management, Communication and Education, and Evidence-Based Public Health. Dr.P.H. student are expected to collaborate with senior public health practitioners as mentors through applied practice experiences, and are required to complete a field-based doctoral project that influences public health programs, policies, or systems. The Dr.P.H. requires a minimum of 43 semester hours beyond the Masters degree, with at least 13 credits at the 7000 level.

Mission
The mission of the Dr.P.H. degree is to prepare practitioners for leadership and advocacy in public health practice through an evidence-based, interdisciplinary approach to understanding and solving public health problems in public and private sectors in the U.S. and worldwide.

Mode of Delivery
The USF College of Public Health Dr.P.H. degree is completed through a combination of distance-learning and blended courses that include on-campus learning via three one-week Dr.P.H. Institutes. Students are expected to attend an Institute in the first semester of their admission, and then in the subsequent two summer semesters. This combination of delivery formats allows working professionals to broaden their grasp of public health leadership, practice, and research without interrupting their careers.

Accreditation:
The College of Public Health is accredited by the Council on Education in Public Health (CEPH).
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for admission to the major, listed below.

Required Application Documentation
Applicants to the Dr.P.H. 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.
  3. Minimum of three letters of Recommendation
  4. Detailed personal statement of less than five pages that describes why you wish to obtain a Dr.P.H. degree in Public Health
  5. Resume or curriculum vitae
  6. 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)

Applicants to the DrPH degree are initially required to complete a SOPHAS application. Once that application is verified by SOPHAS, we will invite the applicant to submit a shortened USF Office of Graduate Studies application. Applicants must meet the University requirements (see Graduate Admissions) as well as the requirements listed below. However, these criteria are not the only basis for admission.

Major Admission and Documentation Requirements

1. Applicants must have an MPH, MHA, MSPH, or other relevant Masters degree from an accredited institution with a minimum GPA of 3.0. Applicants must submit transcripts for all college-level coursework, with a transcript evaluation for coursework from foreign institutions.

2. Applicants must submit a GRE test score taken within five (5) years preceding application, or results from an equivalent exam (GMAT, MCAT, DAT, or PCAT, but not LSAT). The GRE score will be compared to the applicant pool and national GRE norms when admission is considered. This requirement can be waived if the student has at least a 3.5 GPA, or has a terminal degree (PhD, ScD, or EdD) from an accredited institution, or an advanced professional degree (MD, DDS, DVM, JD, PharmD, DPT) with licensure in the United States. Any student seeking a waiver must submit a GRE waiver request with supporting documentation.

3. 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 is required. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied with no exceptions.

4. Applicants must submit a resume or curriculum vitae, three letters of recommendation, and a personal statement of less than five pages that describes why the applicant wishes to obtain a DrPH degree in Public Health. This document should explain the applicant’s public health background, current public health practice interests, and how the DrPH is expected to affect the applicant’s current practice.

5. To be admitted, applicants must have a minimum of two years advanced work experience in public health, and must demonstrate public health leadership potential in their statement of purpose and letters of recommendation. Admission also depends on the availability of a Faculty Advisor who can advise the student in their area of interest. The final decision on admission is made by the faculty of the College.

6. Applicants must also be fully prepared to attend three DrPH Institutes on-campus.

Financial Aid
Students seeking financial aid should contact the USF financial aid office for federal guidelines. DrPH students are not eligible for a doctoral fellowship in the College of Public Health as it requires admission to a fully on-campus degree program. DrPH students are eligible for current student scholarships and awards that are announced each year. Please see http://health.usf.edu/publichealth/FinAid.html.
CURRICULUM REQUIREMENTS

Total minimum hours – 43 credits post-master’s
Common core – 13 hours
Concentration – 12 hours
Electives – 12 hours
Doctoral Project – 6

Pre-Requisites
Students are expected to come into the DrPH degree program with foundational public health knowledge. Students who have an MPH or MHA degree from a CEPH-accredited institution meet this requirement. Students with other degrees meet this requirement if they have taken the equivalent of the MPH core coursework at a CEPH-accredited institution, or if they take the courses at USF listed below. One or more of these pre-requisite courses can be waived if the student can demonstrate prior learning or work experience that fulfills the same knowledge and competency goals.

Pre-Requisite Public Health Core Courses - 9 credit hours
PHC 6588 History and Systems of Public Health
PHC 6756 Population Assessment I
PHC 6757 Population Assessment II

Total Minimum Hours - minimum 43 credit hours

The total minimum hours required are 43 credit hours post-masters. At least 13 hours have to be completed at the 7000 level. A maximum of 12 hours can be transferred into the major, if the coursework was completed post-masters. Students may seek approval to waive courses if they can demonstrate prior learning or work experience that fulfills the same knowledge and competency goals, but must take other courses for an equivalent amount of credits.

Doctoral Common Public Health Core Courses - 13 credit hours
PHC 7935/7116  1  Introduction to Public Health Doctoral Training
PHC 7103  3  Transforming Public Health Practice
PHC 7154  3  Evidence-Informed Public Health I
PHC 7149  1  Practical Applications II: Public Health Leadership
PHC 7934  3  Writing for Scholarly Publications in Health Sciences
HSC 7268  2  Professional Foundations III: Joining the Academy

Advanced Practice Leadership in Public Health Concentration - 12 credit hours
PHC 7932  1  Practical Applications I: Policy, Advocacy and Public Health
PHC 7466  1  Health Disparities and Cultural Competency in Public Health
PHC 7119  3  Organizational Behavior in Public Health Systems
PHC 7504  1  Innovative Education in Public Health
PHC 6411  3  Introduction to Social Marketing for Public Health
PHC 7156  3  Evidence-Informed Public Health II

Electives – 12 credit hours minimum
These courses can be selected from the COPH online majors: [http://health.usf.edu/publichealth/onlineprograms/](http://health.usf.edu/publichealth/onlineprograms/)

Culminating Requirements – 6 credit hours minimum
These lead to a field-based doctoral project that influences public health majors, policies, or systems:

- Applied Practice Experiences
- Qualifying Exam
- PHC 7908  6  Doctoral Project: Specialized Study in Public Health
Culminating Requirements

Applied Practice Experiences
All DrPH students will engage in applied practice experiences to advance their leadership and professional skills in public health. Within their courses, students will select at least five DrPH competencies and propose projects in a public health or related organization that will develop these competencies, with advice from a practice-based mentor in the proposed setting. These studies will be jointly planned by the student, the mentor, and the Faculty Advisor, and may consist of one project, or several projects, depending on the scope and competency goals. The final practice experience deliverables must be approved by the Faculty Advisor, verifying that the student has demonstrated achievement of the proposed competencies.

Doctoral Project Committee
The student will be assigned one or more Faculty Advisor(s) at the time of admission. The Faculty Advisor(s) will guide the student through the program of study in the initial stages. Within the second year of the major, the student should establish a doctoral project committee. The doctoral project committee will consist of a minimum of one Faculty Chair and one Faculty Member (or two Faculty co-Chairs) from the faculty of the College of Public Health, as well as an external public health professional or practitioner who is a mentor to the student.

Qualifying Exam
When the majority of the student’s coursework is satisfactorily completed, the student must pass a qualifying examination. The student is required to submit a concept paper describing the proposed doctoral project, followed by an oral examination that relates the content, approach, and deliverables of the project to the DrPH curriculum domains in the student’s concentration. The examination will be administered and evaluated by the student’s doctoral project committee. The student must enroll in at least two credits in the semester the exam is completed.

Doctoral Project
After successfully completing the qualifying examination, the student must complete a field-based doctoral project that is designed to influence programs, policies, or systems applicable to public health practice. The doctoral project must include a minimum of three high-quality, evidence-based deliverables, with at least one written product. The doctoral project must also demonstrate synthesis of competencies across all DrPH curriculum domains in the student’s concentration.

To complete the doctoral project, the student will be required to enroll in a minimum of six credits of PHC 7908: Specialized Study in Public Health. The final doctoral project deliverables must be approved by the doctoral project committee prior to graduation, and the student must be enrolled in a minimum of two credits in the semester the doctoral project is completed and approved.

Time to Degree
Students may be able to complete the DrPH degree program in a minimum of three years, with two years for the coursework and one year for the culminating experiences. All requirements for doctoral degrees must be completed within seven calendar years from the student’s date of admission for doctoral study.

COURSES
COPH course syllabi are available here: https://documents.health.usf.edu/display/COPHHB/Course+Listing
USF course descriptions are available here: http://www.ugs.usf.edu/course-inventory/