



Graduate Curriculum Approval Form Changes to Degree Programs

Office Use Only	
SC:	_____
GC:	_____
RO:	_____
GC:	_____

Degree (i.e. M.A., Ph.D., etc.): MSPH
 Name of Program (e.g. Biology) Public Health
 Program CIP or X code 51.2299
 Name of Concentration (e.g. Botany)
 Proposed Effective Term (e.g. Spring 2006) Spring 2014
 Faculty Contact Rita DeBate
 Email rdebate@health.usf.edu
 College Public Health
 Dept and Mail Code MDC 56

APPROVALS	Name	Signature	Action	Date
Dept. Chair			<input type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached	
College Committee Chair	Wendy Nembhard		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached	
College Dean/ Associate Dean	Rita Debate		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Concur <input type="checkbox"/> Doesn't concur <input type="checkbox"/> Comments attached	11/20/13
Concurrence*	Dept: Chair:		<input type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Tabled <input type="checkbox"/> Comments	
Grad Council	Chair or designee		<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
Graduate School	GS Dean or designee		<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	

BRIEF Summary of Changes:

(e.g., "Add plant identification course to Botany Concentration")

We are removing the Capstone course as an alternative to the Comprehensive exam and replacing it with the thesis proposal defense. Some concentrations will continue to require a version of the comprehensive exam.

Changes to a Degree Program

Follow the guidelines outlined by the Graduate Council at: <http://www.grad.usf.edu/curriculum.asp> .

- List the CURRENT requirements as presented in the Graduate Catalog and then using track changes, illustrate what the NEW requirements will be:
- Why are these changes necessary or desired?
A new college requirement of mandating the CPH exam resulted in a change in the MSPH as they are not eligible to take the CPH exam.

Submit the signed original and 1 electronic copy of the complete packet to the Graduate School by the deadline posted online <http://www.grad.usf.edu/curriculum-program.asp>. For questions, contact Carol Hines-Cobb at chinescobb@grad.usf.edu or 813-974-4239.

*Concurrence - Consultation with units and departments providing related offerings or expertise is expected and encouraged.

PUBLIC HEALTH PROGRAM**Master of Science in Public Health (M.S.P.H.) Degree****DEGREE INFORMATION****Program Admission Deadlines:**

Domestic Applicants:

Fall
June 1
Spring:
October 15
Summer:
February 15

International Applicants:

Fall:
May 1
Spring: September 15
Summer: January
15

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

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

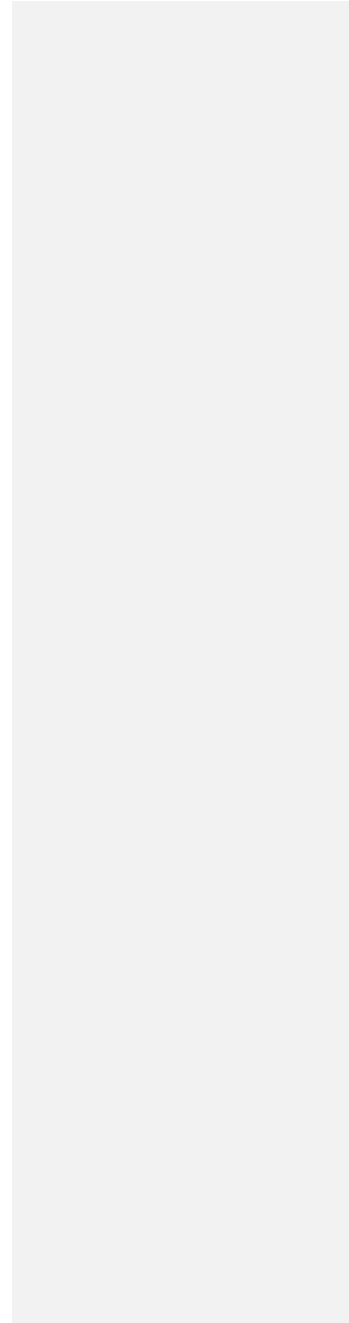
Concentrations:

See list below. Detailed descriptions are available at:
http://publichealth.usf.edu/programs_offered.html

Concentrations:

Behavioral Health (PBH)
Bioinformatics (PBF) – is being terminated
Biostatistics (PBC)
Environmental Health (PEH)
Epidemiology (PEY)
Global Communicable Disease (PGD)
Industrial Hygiene (PIH)
International Public Health Research, Policy
and Planning (PIP)
Maternal and Child Health (PMH)
Occupational Health (POH)¹
Occupational Medicine Residency (POM)
Occupational Safety (POS)
Public Health Education (PPD)
Socio-Health Sciences (PSH)
Toxicology and Risk Assessment (PTX)

CONTACT INFORMATION**College:** Public Health**Contact Information:** www.grad.usf.edu**Other Resources:** www.usf4you.usf.edu¹ Only for health professionals



PROGRAM INFORMATION

Program Information

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

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. Public Health Practice is a college-wide program.

Core content is directly related to addressing and meeting public health issues.

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

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Accreditation Board for Engineering and Technology.

DEPARTMENTS

Community and Family Health

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

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

Environmental and Occupational Health

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

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

Epidemiology and Biostatistics

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

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

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

Global Health

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

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

Health Policy and Management

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

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

ADMISSION INFORMATION

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

Program Admission Requirements

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

- shall have earned an undergraduate degree from an accredited institution;
- shall have earned a "B" average (3.0 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; AND
- shall have a minimum Verbal Graduate Record Exam (GRE) test score of 450 and a minimum Quantitative Graduate Record Exam (GRE) test score of 550**
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the M.S.P.H.
- An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required. The Department of Epidemiology and Biostatistics and the Department of Health Policy and Management do not accept MCAT scores for M.S.P.H. degrees.

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

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

DEGREE PROGRAM REQUIREMENTS

All M.S.P.H. students are required to successfully complete 42+ credits depending on concentration requirements:

Program Core Requirements		9 hours
PHC6000	Epidemiology	3
PHC 6050	Biostatistics I*	3
Choose one		
PHC 6357	Environmental and Occupational Health	3
PHC 6102	Principles of Health Policy and Management	3
PHC 6410	Social and Behavioral Sciences Applied to Health	3

*Students in the Biostatistics M.S.P.H. program who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6057: Biostatistical Inference I" instead of "PHC 6050: Biostatistics I". However, if a student does not have this prior training in introductory statistics coursework then she/he can take both PHC 6050 Biostatistics I and PHC 6057 Biostatistical Inference I.

Required Research Courses:		9 hours
PHC 6051	Biostatistics II	3
Two Research Methods courses as determined by advisory committee		6
Courses in specialty areas as designated by advisory committee minimum		12 credits

Concentrations:

Students select from one of the following concentrations in addition to completing the program requirements: Full requirements, as approved, may be viewed at the College website:

http://health.usf.edu/publichealth/programs_offered.html#cfh

BEHAVIORAL HEALTH (PBH) Concentration**Pre-requisites and Admissions Information**

- 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
- Minimum undergrad GPA: 3.0 and
- Verbal GRE score: min 500 (153 on new ETS scale)
- Quantitative GRE score: min 550 (146 on new ETS scale)
- Three letters of recommendation from academic and/or related professional sources, goal statement

Courses

- Required Specialization Area Courses: Courses depend on the area of specialization.
- Research Methods Courses: Biostatistics II and two additional research courses related to the student's focus area.

Electives: Examples of common options are:

- o SYA 6204 Social Problems, Identity and Community
- o ANG 6469 Selected Topics in Medical Anthropology
- o PHC 6536 Population and Community Health
- o PHC 6411 Introduction to Social Marketing for Public Health
- o PHC 6708 Evaluation Methods in Community Health

~~Bioinformatics (PDF) Concentration is being terminated~~

BIOSTATISTICS (PBC) Concentration**Pre-requisites and Admissions Information**

- Public health course prerequisites:
 - o HSC 4551 Survey of Human Diseases
 - o PHC 4101 Introduction to Public Health
 - o Or an equivalent course is required for student who lack training in public health or biological sciences.
- 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.
- For admission requirements see the MSPH Degree page.
- 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.

Courses

Examples of common elective options:

- HSC 6054 Design and Analysis of Experiments for Health Researchers
- HSC 6056 Survey Sampling Methods in Health Sciences
- PHC 6061 Biostatistical Case Studies and Consulting II
- PHC 6701 Computer Applications for Public Health Researchers
- PHC 6190 Public Health Database Management

- PHC 6934 Linear Model Analysis of Health Data
- PHC 7053 Generalized Liner Models
- PHC 7056 Longitudinal Data Analyses
- STA 6746 Multivariate Analysis
- PHC 6907 Independent Study

ENVIRONMENTAL HEALTH (PEH) Concentration

Prerequisites and Admission Information

- Public health course prerequisites:
 - o PHC 4101 Introduction to Public Health and
 - o HSC 4551 Survey of Human Disease, or equivalent courses or experience.
- Suggested/preferred undergraduate majors: biological, physical or chemical science; military science; engineering; nursing or medicine; environmental health and technology; environmental science and policy.
- Prerequisite undergraduate courses: introductory college-level algebra, chemistry, and biology (or related course); calculus and organic chemistry preferred.
- Work experience: None required.
- Minimum undergraduate GPA: 3.0:
- Verbal GRE score: minimum 450 (150 on new ETS scale)
- Quantitative GRE score: minimum 550 (146 on new ETS scale)
- GRE Score may be substituted with an MCAT Score averaging eight or higher.
- International applicants from non English-speaking countries must provide a minimum TOEFL score of 213 (computer-based test) or 550 (written test), taken within 2 years of the desired term of entry.

Courses

Examples of Electives Related to Environmental Health:

- PHC 6701 Computer Applications for Public Health Researchers (3)
- PHC 6510 Exotic & Emerging Infectious Diseases (3)
- PHC 6934 Water Resources Management Principles (3)
- PHC 6353 Environmental Risk Assessment (2)
- PHC 6313 Indoor Environmental Quality (2)
- PHC 6934 Water & Wastewater Analysis Laboratory (1)

Culminating Experience

- *See culminating experience below. This concentration requires the comprehensive exam.*

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EPIDEMIOLOGY (PEY) Concentration

Prerequisites and Admission Information

- Public health course prerequisites:
 - For students who lack training in public health or biological/life sciences
 - HSC 4551 Survey of Human Disease
 - PHC 4101 Introduction to Public Health
- Suggested/preferred undergraduate majors: Public health, social sciences, natural sciences, biology, nursing, medicine, dentistry, veterinary medicine, pharmacology, gerontology, allied health professions, environmental health, management information systems, mathematics, statistics, computer sciences.
- Prerequisite undergraduate courses: college algebra, basic computerskills (e.g. operating system, internet, word processing, spread sheet), human structure and function, human health biology or equivalent. Calculus is strongly recommended.
- Work experience: Prior work experience is preferred, but not required.
- Minimum undergrad GPA: 3.0 on a 4 point scale in the upper division coursework.
- Verbal GRE Score: minimum 500 (153 on new ETS scale)
- Quantitative GRE Score: minimum 550 (146 on new ETS scale)
- 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.

Courses

Notes on Electives

- o Two courses in Disease Epidemiology (6 hours)
- o One additional departmental elective (3 hours)

GLOBAL COMMUNICABLE DISEASE (PGD) Concentration**Prerequisites and Admission Information**

- Pre-requisites: HSC 4551 Survey of Human Diseases (3) OR Equivalent education or work experience
- Suggested/Preferred undergraduate majors: Biology, Zoology, Microbiology, Immunology
- Prerequisites undergraduate courses: None; Suggested undergraduate courses include general chemistry with laboratory, biology or zoology with laboratory, micorbiology with laboratory, biochemistry with laboratory, immunology
- Work Experience: None
- Minimum undergraduate GPA: 3.00
- Verbal GRE Score: preferred score of 44th percentile (score of 150)
- Quantitative GRE Score: preferred score of 39th percentile (Score of 149)
- Other criteria: International applicants: TOEFL of 550 for paper-based instrument or 213 for computer-based instrument
- Substitutions: Applicants may substitute na MCAT mean score of 8 for the required GRE scores.
- **Special Admission Requirements**
 - o Preference for admission is given to students with a background or demonstrated skills in the biological sciences. Prerequisites may be required.
 - o Previous research experience would be advantageous
 - o A short statement (250 words or less) of research interestis require

Courses

Suggested Concentration Courses

- PHC 6002 Infectious Disease Epidemiology
- PHC 6251 Disease Surveillance and Monitoring
- PHC 6314 Infection Control Program Design
- PHC 6510 Emerging Infectious Diseases
- PHC 6511 Public Health Immunology
- PHC 6512 Vectors of Human Diseases
- PHC 6513 Public Health Parasitology
- PHC 6514 Infectious Disease Control in Developing Countries
- PHC 6517 Infectious Disease Prevention Strategies
- PHC 6562 Microbiology for Healthcare workers
- PHC 6930 Public health Seminar (1 credit hour)
- PHC 6934 HIV in Public Health
- PHC 6934 Intermediate Infectious Disease Epidemiology
- PHC 6934 Food Safety
- PHC 6934 Public Health Virology
- PHC 7931 Adv Interdisciplinary Seminar in PH: Global Health Infectious Disease Research

INDUSTRIAL HYGIENE (PIH) Concentration**Prerequisites and Admission Information**

- Public health course prerequisites: None
- Suggested/preferred undergraduate majors: Science or engineering.
- Prerequisite undergraduate courses: No specific courses, however 63 credit hours of science, mathematics, engineering and technology with at least 15 credit hours in upper division classes.
- Work experience: None required; however, occupational health related work experience is beneficial.
- Minimum undergraduate GPA: Upper division GPA 3.0
- Verbal GRE score: minimum 450 (150 new ETS scale)
- Quantitative GRE score: minimum 550 (146 new ETS scale)
- Other criteria: Three letters of recommendation.

Special Option for Students in Industrial Hygiene MSPH

Students in Industrial Hygiene must take the Comprehensive Core Exam. However, they may elect to be exempt from the Concentration Exam after 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 bring a copy of their certification of passing the exam to their advisor and request that the advisor send a memo and a copy of the aforementioned certification to the College Dean for Academic and Student Affairs requesting a waiver of the Concentration Exam. Once approved, this memo and the copy of the certification will be forwarded to the student’s file.

Courses

Supervised Field Experience:

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

Examples of elective:

- PHC 6303 Community Air Pollution
- PHC 6350 Occupational Health Risk Assessment
- PHC 6351 Occupational Health
- PHC 6422 Environmental Health Law (2)
- PHC 6364 Industrial Hygiene Aspects of Plant Operations (2)
- PHC 6313 Indoor Environmental Quality (2)
- PHC 6306 Radiation Health Principles (2)
- EIN 6216 Occupational Safety Engineering
- PHC 7935 Biological Monitoring in Environmental Health (2)
- PHC 7368 Aerosol Technology in IH (2)
- EIN 6215 Engineering System Safety
- PHC 7317 Risk Communication (2)
- PHC 7935 Physiology Topics for Environmental and Occupational Health Professionals (2)
- PHC 6369 Industrial Toxicology (2)
- PHC 6354 Safety and Health Administration (2)
- PHC 6051 Biostatistics II (Because this is a practice degree, Biostatistics II is not required)

Culminating Experience

See culminating experience below. This concentration requires a combined core comprehensive/concentration exam.

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INTERNATIONAL PUBLIC HEALTH RESEARCH, POLICY AND PLANNING Concentration

Prerequisites and Admission Information
See Program requirements

Courses

- Program Core
- Concentration courses:
- PHC 6110 International Health and Health Systems (web)

This concentration requires the comprehensive exam.

MATERNAL AND CHILD HEALTH (PMH) Concentration

Prerequisites and Admission Information
See Program requirements

OCCUPATIONAL HEALTH FOR HEALTH PROFESSIONALS (POH) (POH)² Concentration

Prerequisites and Admission Information

See Program requirements

This concentration requires a combined core comprehensive/concentration exam.

OCCUPATIONAL MEDICINE RESIDENCY (POM) Concentration

Prerequisites and Admission Information

See Program requirements

This concentration requires a combined core comprehensive/concentration exam.

OCCUPATIONAL SAFETY (POS) Concentration

Prerequisites and Admission Information

See Program requirements

This concentration requires a combined core comprehensive/concentration exam.

PUBLIC HEALTH EDUCATION (PPD) Concentration

Prerequisites and Admission Information

See Program requirements

SOCIO-HEALTH SCIENCES (PSH) Concentration

Prerequisites and Admission Information

See Program requirements

TOXICOLOGY AND RISK ASSESSMENT (PTX) Concentration

Prerequisites and Admission Information

See Program requirements

This concentration requires a core comprehensive exam.

Electives

Vary by concentration

Culminating Experiences:

Comprehensive Exam (must be registered for at least 2 credit hours of coursework)
or ~~Capstone Course (3 credit hours)~~ **Thesis proposal defense**

Thesis
PHC 6971 Thesis (6 hours minimum)

6 credits

OTHER INFORMATION

Certificate Programs:

For information click on the graduate certificates at <http://www.outreach.usf.edu/gradcerts/>

COURSES

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

² Only for health professionals

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