

University of South Florida • Tampa

# COLLEGE OF PUBLIC HEALTH

Catalog 2009/2010

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# Degrees Offered

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## **About the Catalog**

### ***Versions***

**Adobe Acrobat Version:** The current version you are reading is the *Official Catalog* for a specified time period. This catalog is effective from July 1, 2009 – June 30, 2010.

**On-line version:** Available at [www.publichealth.usf.edu](http://www.publichealth.usf.edu), the on-line version in HTML format is the most up-to-date version of the University of South Florida College of Public Health Catalog. All approved changes, additions and corrections are incorporated as soon as possible, thus allowing the College to communicate these in a timely manner.

### ***Questions***

Please contact [advisor@health.usf.edu](mailto:advisor@health.usf.edu) or call toll-free 888-USF-COPH or 888-873-2674 and press 1 to be transferred to Advising.

### ***Disclaimer***

This catalog includes policies, procedures and program descriptions in effect at the time of publication. The College and the University reserve the right to repeal, change, or modify the policies, procedures and program descriptions at any time.

### ***Diversity***

The University of South Florida is committed to the principles of equal education and employment opportunities without regard to race, color, marital status, sex, religion, national origin, disability, age, Vietnam or disabled veteran status as provided by law and in accordance with the University's respect for personal dignity. These principles are applied in the conduct of University programs and activities and the provision of facilities and services.

### ***Students with Disabilities***

Students should contact the Office of Student Disability Services at <http://www.sds.usf.edu/>

### ***Refer to USF Graduate Catalog***

The University of South Florida Graduate Catalog is located at <http://catalog.grad.usf.edu/>

## Degrees Offered

### *Master in Public Health (MPH)*

The **Master of Public Health (MPH)** is the primary professional degree in public health. The program provides a set of skills and principles essential for students who intend to apply their training in a professional setting, provide leadership in a specific health specialty, and improve and protect the health and well being of populations. All MPH students complete coursework designed to prepare public health professionals to actively and effectively contribute to population-based, culturally appropriate, and innovative approaches concerning current and emerging public health problems.

The MPH core involves course work in biostatistics, epidemiology, health policy and management, environmental and occupational health, and social and behavioral sciences. In addition to the public health core, students further focus their skills by completing course work in one of several concentration areas: biostatistics; epidemiology; health care organizations and management, policy and programs; environmental health; toxicology and risk assessment; safety management; occupational health; global communicable disease; maternal and child health; health education; behavioral health; public health practice; global health; socio-health sciences. The MSPH in Industrial Hygiene is a professional degree program instead of a research degree program and thus is listed here.

The MPH degree is a minimum of 42 semester credit hours with some concentrations requiring additional credit hours. Dual degree programs are available and may have different credit hours required.

All MPH students are required to successfully complete:

- Five college core courses (15 credits)
  - Biostatistics I
  - Epidemiology
  - Principles of Health Policy and Management
  - Environmental and Occupational Health
  - Social and Behavioral Sciences Applied to Health
- Concentration courses in specialty areas (12 credits minimum)
- Capstone course
- Comprehensive exam
- Field experience (1-12 credits)
- Special project (3 credits)
- Electives (variable)

Concentration specific objectives are in addition to the following college wide objectives. Within the context of a specific professional public health career, the graduate will be able to:

- Provide leadership in a specific health specialty that is ethical, population focused, culturally appropriate and uses innovative approaches to pressing public health problems;

- Demonstrate the application of public health skills and knowledge by completing a comprehensive special project;
- Apply knowledge, practices and programs to improve the health and well being of all populations; and
- Demonstrate a commitment to improve the health of communities by working with others to solve pressing public health problems.

### *Master of Science in Public Health (MSPH)*

A **Master of Science in Public Health (MSPH)** degree is offered by each of the academic departments of the college. The MSPH provides a focus in research design, data collection, analysis and application of research in public health intended to improve and protect the health of populations. The program is designed for students with good quantitative and/or qualitative skills and an interest in the science of public health and a comprehensive research experience. Students are prepared for research roles in academic or professional public health careers by incorporating epidemiological principles and biostatistical methods with their focus within the core areas of public health.

The MSPH involves course work in biostatistics and epidemiology and one of the other three core courses. In addition to the core courses, students further focus their skills by completing course work in one of several concentration areas: socio-health sciences, health education, maternal and child health, behavioral health,, health care organizations and management, health policies and programs, environmental health, toxicology/risk assessment, global communicable disease, epidemiology, or biostatistics.

The MSPH degree is a minimum of 42 semester credit hours.

All MSPH students are required to successfully complete:

- 9 credits of college core courses including Biostatistics I and Epidemiology, plus one other core course approved by the academic advisor (select from Principles of Health Policy and Management, Environmental and Occupational Health, or Social and Behavioral Sciences Applied to Health).
- Biostatistics II
- Courses in specialty areas as designated by advisory committee ( 12 credits minimum)
- Research methods as determined by advisory committee.
- Comprehensive exam while enrolled for a minimum of 2 credits.
- Thesis for a minimum of 6 credits
- Electives (variable)

Concentration specific objectives are in addition to the following college wide objectives. Within the context of a specific public health career that emphasizes research activities, the MSPH graduate will be able to:

- Use epidemiological principles and biostatistical methods to address public health issues;

- Participate in research activities that are ethical, culturally sensitive and innovative in solving pressing public health problems;
- Integrate research skills with public health knowledge in a thesis;
- Apply specialized public health research techniques to improve the health and well being of all populations; and
- As by working with others to solve pressing public health problems.

The MSPH in Industrial Hygiene is a professional degree program instead of a research degree program and is covered in the MPH description.

### *Master of Health Administration (MHA)*

The **Master of Health Administration (MHA)** 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 MHA requires a minimum of 56 semester credit hours plus field experience.

All MHA students are required to successfully complete:

- Five college core courses (15 credits)
  - Biostatistics I
  - Epidemiology
  - Principles of Health Policy and Management
  - Environmental and Occupational Health,
  - Social and Behavioral Sciences Applied to Health
- Management and Policy Courses (19 credits)
  - Strategic Planning and Health care Marketing
  - Managing Quality in Health Care
  - Health Policy and Politics
  - Health Insurance & Managed Care
  - Health Services Management
  - Organizational Behavior in Health Services
  - Health Care Law, Regulations and Ethics
- Finance, Economics and Decision Making Skills (17 credits)
  - Financial Accounting for Managers
  - Managerial Decision Making
  - Managerial Health Care Finance and Costing
  - Quantitative Analysis in Health Services
  - Information Systems in Health Care Management
  - Health Economics 1
- Capstone Course (2)-(substitutes for comprehensive exam)

- Advanced Seminar in Health Care Management
- Field experience (1-12 credits)
- Special project (3 credits)

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

- Assess the health care system in the United States, including the role of the public health disciplines; Demonstrate ability to use analytic and decision-making skills in accounting, finance, health economics, quantitative methods, and policy analysis;
- Apply management, leadership and performance improvement theories and principles in solving related health services problems;
- Analyze ethical issues and implications of cultural diversity in health policy and management;
- Demonstrate ability to utilize knowledge of information systems, health law, strategic planning, and marketing to advance health services delivery and outcomes;
- Develop interpersonal and communication skills; and
- Apply critical thinking skills and knowledge to health management cases and to a health care or related organization.

## *Doctor of Philosophy (PhD)*

The **Doctor of Philosophy (PhD)** is granted in recognition of high attainment in a specified field of knowledge. It is a research degree and is not conferred solely upon the earning of credit or the completion of courses. It is granted after the student has shown proficiency and distinctive achievement in a specific field, has demonstrated the ability to do original, independent investigation, and has presented these findings with a high degree of literary skill in a dissertation. This degree requires a minimum of 90 credits beyond the baccalaureate degree.

### **Mission**

The mission of the program of studies for the Doctor of Philosophy degree is to prepare public health professionals to make substantive contributions to public health inquiry and practice.

### **Philosophy**

Students should acquire the skills to create and disseminate knowledge, and also to lead, collaborate with and teach others in various public health academic, research and field settings. Therefore, the foundation of a strong PhD program in public health includes:

- Capable, ethical and scholarly faculty to mentor students in their area of interest,
- The potential for financial assistance/funding of doctoral student research and teaching,
- Availability of courses in student's area of interest,
- Students who have the academic and professional potential to achieve the doctoral competencies, Students who are ethical, scholarly representatives of the profession and the school,
- The availability of meaningful professional development activities, and

- Opportunities for students to participate in departmental activities.
- Competencies are met by successfully completing a doctoral committee approved plan of academic study and research, and documented professional and other scholarly experiences. Competencies for all doctoral students include:

1. Scientific Knowledge and Theory

- A. Critically evaluate and use scientific theories and frameworks relevant to public health.
- B. Synthesize knowledge from a broad range of disciplines in public health.

2. Research

- A. Critically analyze research literature.
- B. Develop models for guiding independent research.
- C. Design and carry out original research that contributes to knowledge base in public health.
- D. Demonstrate innovative methods of data collection and analysis.
- E. Apply a set of ethical standards in the conduct and disseminate
- F. Work as an effective research team member.
- G. Prepare scholarly publications and make oral presentations.
- H. Investigate funding sources.
- I. Develop grant-writing skills.

3. Teaching

- A. Demonstrate ability to teach a university level course using current pedagogical techniques.
- B. Demonstrate communication skills that facilitate learning by others in formal and informal settings.

Areas of Study

Doctoral programs leading to a PhD are offered in all five departments and the five core areas of public health. Students have an opportunity to specialize within their department.

Department of Community & Family Health	Maternal & Child Health
	Public Health Education
	Socio-Health Sciences
	Behavioral Health
Department of Environmental & Occupational Health	Environmental Health

	Toxicology and Risk Assessment
	Industrial Hygiene
	Occupational Health
Department of Epidemiology & Biostatistics	Epidemiology
	Biostatistics
Department of Health Policy & Management	Health Policy & Management
Department of Global Health	Global Communicable Disease

Students and their major advisor jointly create a written plan to meet these competencies via the plan of study, research experiences, departmental and professional activities, and other appropriate methods. Students work with their major advisor and a committee throughout the course of study.

### Advisor

Upon admission the department chairperson appoints a faculty advisor. Typically the advisor is the major professor of the dissertation committee. The advisor serves as a mentor and facilitates the student's doctoral studies by:

1. Meeting with the student to develop a plan of study for doctoral committee approval by the end of the second semester.
2. Monitoring and keeping the doctoral committee informed of the student's progress.
3. Meeting with the student on a regular basis about academic and research progress.
4. Complete, with the student, the PhD student competencies tool located on the forms page (<http://health.usf.edu/publichealth/forms.html>).
5. Coordinating the development, administration, and grading of the qualifying exam.
6. Guiding the student in development and implementation of a quality dissertation (including proposal, implementation of the research, and the written document).
7. Recommending an appropriate chair for the dissertation defense.

### Doctoral committee

By the end of the second semester the faculty advisor and student shall form a doctoral committee, the committee will meet with the student and approve the student's plan of study.

The plan of study shall include all required departmental courses, prerequisites, research tools, courses required outside of department, and teaching activities. The plan should include proposed time schedule to complete each course, and copies shall be given to each committee member and to the

Office of Academic and Student Affairs. The doctoral committee members, major advisor, or student have the privilege of calling additional meetings to discuss student's progress, research ideas, plan for qualifying exam, or a significant change in plan of study. It is the student's responsibility to set up each meeting.

The doctoral committee is responsible for the following:

1. Meet with the student to discuss plan of study, research proposal, qualifying exam, or academic progress.
2. Facilitate opportunities for research and scholarly growth.
3. Approve and monitor a plan of study that prepares the student to sit for qualifying exams and conduct dissertation research.
4. Develop and grade qualifying exam.
5. Guide student throughout dissertation.
  - a) Approve written dissertation proposal through a formal oral presentation process.
  - b) Provide guidance and support during dissertation.
  - c) Evaluate dissertation through dissertation defense process.

Students are encouraged to select a major advisor that will serve as the major professor of the dissertation. Occasionally, a student desires to change major advisor or committee members. Some examples when this may occur are when research interests are more closely matched with another faculty member, the student and faculty member mutually agree that another person is more appropriate, or a faculty member is leaving the university. This action is to be approved by the department chair, Academic and Student Affairs, and Graduate School.

### **Course of Study**

The student's course of study will include the following:

**A. Prerequisites:** A minimum of Biostatistics I, Epidemiology, and one other selected college core course are required by all students who do not have a master's degree in public health. The doctoral committee or the department may require other prerequisites. These courses are not included in the minimum number of hours a student needs to complete the PhD and are expected to be completed early in the course of study.

**B. Required Course Work:** The courses and number of credit hours required are defined by the department and the doctoral committee and include course work from another department or college. There must be a minimum of 13 credits at the 7000 level. Generally, the doctoral degree requires a minimum of 90 credits beyond the bachelor's degree. Departments determine the number of credits accepted from previous master(s) degree. All doctoral students take a minimum of three semesters (one credit each semester) of a college wide Advanced Interdisciplinary Seminar in Public Health (PHC 7931).

**C. Tools of Research** may be required by the department. Departmental Guidelines will address whether they are required for doctoral students within that department (consistency within the department required). If required, the student must complete a minimum of two of the "Tools of

Research" options designated by the department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination. The Tools of Research may include a wide range of skills or competencies relevant to research in the discipline not ordinarily part of the program of study, such as programming languages and application packages or other skills relevant to the area of study. The department will determine if credit hours taken to fulfill the Tools of Research will be credited toward the program of study.

**D. Teaching:** All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level. The doctoral committee will determine the required teaching activities or if previous university teaching is sufficient to exempt the student from further teaching experience.

**E. Qualifying Exam:** When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields. The department sets the specific criteria. This exam may be supplemented by an oral exam as determined by the department. Results of the written exam will be communicated in writing to the student within 15 working days of the examination. If all or part of the exam is failed, the student has one more opportunity to retake the exam. Each department has specific guidelines for retakes. After successful completion of the qualifying exam and appropriate paperwork is submitted to Graduate School, the student is admitted to candidacy and may register for dissertation hours.

**F. Dissertation:** All students must follow the University's "Guidelines for Dissertations and Theses."

**Note:** In order to be considered for admission to the Ph.D. Program in Public Health, applicants must be fully prepared to register as full-time students for at least one full academic year (consecutive Fall and Spring semesters).

[http://www.grad.usf.edu/thesis\\_dissertation.asp](http://www.grad.usf.edu/thesis_dissertation.asp)

The doctoral committee may continue to serve as the dissertation committee, although this is not necessary. The dissertation committee will formally approve the student's written research proposal after an oral presentation given by the student, supervise the research, read and approve the dissertation for defense, and conduct the dissertation defense. The committee will include at least three credentialed faculty from the department and one faculty from outside of the department. According to Graduate School guidelines, a faculty member outside of the department is specially appointed to chair the dissertation defense. Each department will have additional guidelines. A minimum of 18 dissertation credits are required.

### ***Doctor of Public Health (DrPH)***

The **Doctor of Public Health(DrPH)** is a professional, practice-oriented degree which is granted in recognition of the attainment of a broad set of practice, analytic and evaluative skills, including

demonstrated public health leadership skills. Emphasis will be placed on proficiency in policy development and health policy strategies, public health leadership and management of health programs. Demonstration of applied research skills and strength in evaluation methods via practice-based specialized study will be expected. The DrPH will require 90 semester hours beyond the baccalaureate degree. Candidates will have an MPH or equivalent degree prior to admission, therefore the actual additional hours required for the DrPH beyond the Master's level will average 45 to 50 semester hours, depending upon the program designed by the student and his or her committee. Per University guidelines, all requirements for the doctoral degree must be completed within eight calendar years from the student's date of admission for doctoral study. Students have four years to complete all required coursework, pass the qualifying examination, and be admitted to doctoral candidacy. Students then have four years from the date of doctoral candidacy to complete degree requirements.

### **Mission**

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

### **Competencies**

Upon completion of the DrPH program, the student will be able to:

1. Critically evaluate and use scientific theories and frameworks relevant to public health practice.
2. Critically analyze substantive public health problems using evaluation, applied research and statistical methods.
3. Collect, synthesize and apply knowledge from a broad range of public health disciplines.
4. Design, implement and evaluate innovative strategies and interventions to solve public health problems.
5. Demonstrate leadership by mobilizing, coordinating and directing collaborative actions targeting a public health problem.
6. Demonstrate effective written and oral skills in communicating accurate statistical, programmatic, and scientific information in both professional and lay settings.

### **Areas of Study**

*Community and Family Health*

*Global Health*

### **Advisor**

Upon admission the department chairperson appoints a faculty advisor to each student. Typically the advisor also serves as the major professor of the dissertation committee. The advisor serves as a mentor and facilitates the student's doctoral studies by:

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

**Doctoral Committee:**

By the end of the second semester the faculty advisor and student shall form a doctoral committee; the committee will meet with the student and approve the student's plan of study.

The plan of study shall include all required program/departmental courses, prerequisites, research tools, courses required outside of the department, and teaching activities. The plan should include proposed time schedule to complete each course, and copies shall be given to each committee member and to the Office of Academic and Student Affairs. The doctoral committee members, major advisor, or student have the privilege of calling additional meetings to discuss student's progress, research ideas, plan for qualifying exam, or a significant change in plan of study. It is the student's responsibility to arrange these meetings.

1. The doctoral committee is responsible for the following:
2. Meet with the student to discuss plan of study, practice-based specialized study, applied research proposal, qualifying exam, or academic progress.
3. Facilitate opportunities for strengthening leadership and management skills, applied research skills and scholarly growth.
4. Approve and monitor a plan of study that prepares the student to sit for qualifying exams and conduct dissertation research.
5. Develop and grade qualifying exam.
6. Guide student throughout practice-based specialized study and dissertation.
  - A. Approve written dissertation proposal through a formal oral presentation process.
  - B. Provide guidance and support during dissertation.
  - C. Evaluate dissertation through dissertation defense process.

Students are encouraged to select a major advisor that will serve as the major professor of the dissertation. Occasionally, a student desires to change major advisor or committee members. This may occur when practice, professional or research interests are more closely matched with another faculty

member, the student and faculty member mutually agree that another person is more appropriate, or a faculty member is leaving the university. This action is to be approved by the department chair, the dean of academic and student affairs, and the Graduate School.

### **Course of Study**

**A. Prerequisites:** Applicants must have an MPH, MHA or equivalent degree from an accredited university, and a minimum of two years work experience in public health, a closely related field or as a health professional.

### **B. Required Coursework**

#### DrPH Curriculum

#### **Public Health Core (15 credit hours) if not already earned in a previously granted masters degree**

PHC 6000 Epidemiology

PHC 6050 Biostatistics I

PHC 6102 Principles of Health Policy and Management

PHC 6357 Environmental and Occupational Health

PHC 6410 Social and Behavioral Sciences Applied to Health

#### **7000 Level (12 credit hours)**

PHC 7931 Advanced Doctoral Seminar

PHC 7936 Seminar in Health Care Outcomes

PHC 7937 Advanced Seminar in Grant Writing

PHC 7152 Policy and Practice in Community and Family Health

PHC 7317 Risk Communication in Public Health

PHC 7934 Writing for Scholarly Publication in Health Sciences

PHC 7935 Community Based Health Promotion

PHC 7935 Special Topics in Public Health

PHC 7910 Directed Research

#### **Applied Research (15 credit hours)**

PHC 6051 Biostatistics II

Evaluation course

Quantitative Research Methods\*

Qualitative Research Methods\*

*\*Two mixed methods courses may substitute for the Quantitative and Qualitative research methods courses*

Choose one:

PHC 6010 Epidemiology Methods I  
PHC 6011 Epidemiology Methods II  
PHC 7001 Practical Issues in Epidemiology

**Policy, Leadership and Management (12 credit hours)**

Policy course\*  
Planning course\*  
Management/Leadership course\*  
Elective

*\*Each department (or doctoral committee if department guidelines do not exist) should choose the appropriate policy, leadership, and management courses for the student's plan of study*

**Potential Courses**

PHC 6104 Management of Public Health Programs  
PHC 6180 Health Services Management  
PHC 6181 Organizational Behavior  
PHC 6146 Health Services Planning and Evaluation  
PHC 6148 Strategic Planning and Health Care Marketing  
PHC 6151 Health Policy and Politics  
PHC 6191 Quantitative Analysis in Health Care Management  
PHC 6760 Health Program Evaluation

**Discipline-Specific (minimum of 18 credit hours)**

Courses should pertain to focal discipline and interest area. Hours can be transferred from Master's degree

**Culminating Requirements (18 credit hours)**

Written qualifying exam  
and  
Practice-Based Dissertation (requires 9 credit hours of PHC 7908 Specialized Study, which encompasses a field placement, and 9 credit hours of PHC 7980 Dissertation)

**Total Hours = 90**

**C. Teaching:** All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level or in organizing and delivering professional development (training) courses. The doctoral committee will determine the required teaching/training activities or if previous university teaching or extensive prior training experience is sufficient to exempt the student from further teaching/training requirements.

**D. Practice:** All DrPH students will engage in a practice-based specialized study for a total of 9 credit hours. This provides an opportunity for in-depth study in a particular area of public health. The practice-based study is designed to focus on developing and demonstrating strategic policy-making skills and advanced leadership skills in the identified public health discipline. It will be jointly planned by the

student, faculty advisor and Field Placement Coordinator. A qualified community-based professional preceptor will mentor the student in the practice setting. DrPH students in the Global Health department are required to do their field work outside of the United States.

**E. Qualifying Exam:** When all required coursework is satisfactorily completed, the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields. The department sets the specific criteria. This exam may be supplemented by an oral exam as determined by the department. Results of the written exam will be communicated in writing to the student within 15 working days of the examination. If all or part of the exam is failed, the student has one more opportunity to retake the exam. Each department has specific guidelines for retakes. After successful completion of the qualifying exam and appropriate paperwork is submitted to Graduate School, the student is admitted to candidacy and may register for dissertation hours.

**F. Dissertation:** All students must follow the University's "Guidelines for Dissertations and Theses."

**Note:** In order to be considered for admission to the DrPH Program in Public Health, applicants must be fully prepared to register as full-time students for at least one full academic year (consecutive Fall and Spring semesters).

[http://www.grad.usf.edu/thesis\\_dissertation.asp](http://www.grad.usf.edu/thesis_dissertation.asp)

The doctoral committee may continue to serve as the dissertation committee, although this is not necessary. The dissertation committee will formally approve the student's written research proposal after an oral presentation given by the student, supervise the research, read and approve the dissertation for defense, and conduct the dissertation defense. In the DrPH program, a student's doctoral committee must have a minimum of four members, which includes at least two faculty members from the sponsoring department and a public health professional or practitioner. According to Graduate School guidelines, a faculty member outside of the department is specially appointed to chair the dissertation defense. Each department will have additional guidelines. A minimum of 9 dissertation credits is required.

## Use of "c" in Degree Acronyms for Degree Candidates

The College of Public Health does not permit students who are pursuing masters or doctoral degrees to use the degree acronym after their names and a small "c" for candidate. In other words students are not permitted to use MPHc, MSPHc, MHAc, PhDc, or DrPHc. If students, after successfully completing all comprehensive exams (core and concentration) for the master degrees or the qualifying exam for the doctoral degree wish to put after their name the words—master degree candidate or doctoral degree candidate—we allow this..

The use of the degree acronym and small "c" creates confusion for faculty, employers, and other individuals who are reviewing students' CVs and other materials. It creates a situation wherein a

student appears to have earned a degree when such is not the case. As a degree-granting College, we do not allow this.

## Common Academic and Professional Backgrounds

<p><b>Community &amp; Family Health</b></p> <ul style="list-style-type: none"> <li>• Medicine</li> <li>• Nursing</li> <li>• Allied Health Professions</li> <li>• Psychology</li> <li>• Anthropology</li> <li>• Education</li> <li>• Communications</li> <li>• Social Work</li> <li>• Nutrition</li> <li>• Special/Early Childhood Education</li> <li>• Child Health &amp; Development</li> <li>• Social/Behavioral Sciences</li> <li>• Gerontology</li> </ul> <p><b>Environmental &amp; Occupational Health</b></p> <ul style="list-style-type: none"> <li>• Natural Sciences (especially Biology and Chemistry)</li> <li>• Engineering</li> <li>• Computer Science</li> <li>• Physics</li> <li>• Mathematics</li> <li>• Medicine</li> <li>• Nursing</li> <li>• Allied Health Professions</li> <li>• Veterinary Medicine</li> </ul> <p><b>Epidemiology &amp; Biostatistics</b></p> <ul style="list-style-type: none"> <li>• Mathematics</li> <li>• Statistics</li> <li>• Computer Sciences</li> <li>• Natural Sciences</li> <li>• Biology</li> <li>• Nursing</li> <li>• Medicine</li> <li>• Dentistry</li> <li>• Veterinary Medicine</li> <li>• Pharmacology</li> <li>• Gerontology</li> <li>• Allied Health Professions</li> <li>• Environmental Health</li> <li>• Management Information Systems</li> </ul>	<p><b>Global Health</b></p> <ul style="list-style-type: none"> <li>• International Development</li> <li>• International Studies</li> <li>• Medicine</li> <li>• Nursing</li> <li>• Sociology</li> <li>• Epidemiology</li> <li>• Anthropology</li> <li>• Natural Sciences</li> <li>• Biology</li> <li>• Returned Peace Corps Volunteers</li> </ul> <p><b>Health Policy &amp; Management</b></p> <ul style="list-style-type: none"> <li>• Business</li> <li>• Health Administration</li> <li>• Political Studies</li> <li>• Nursing</li> <li>• Medicine</li> <li>• Law</li> </ul> <p><b>Public Health Practice</b></p> <ul style="list-style-type: none"> <li>• Medicine</li> <li>• Nursing</li> <li>• Dentistry</li> <li>• Pharmacology</li> <li>• Allied Health Professions</li> <li>• Health Administration</li> <li>• Nutrition</li> <li>• Environmental Health</li> </ul>
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## Recommended Areas of Prerequisite Knowledge

Community & Family Health	Environmental & Occupational Health	Epidemiology & Biostatistics
Physiology	General Chemistry and Lab (2 semesters)	<b>Biostatistics</b>
Chemistry	Introductory Biology and Lab	Linear Algebra
Child Development	Advanced Algebra	Calculus (2)
Educational Psychology	Calculus	Human Health
Sociology	Physics	Biology
Anthropology	Organic Chemistry	
Psychology	Technical and/or Physical Science	<b>Epidemiology</b>
	Introductory Statistics	College Algebra
		Human Structure and Function
		Human Health Biology
Global Health	Health Policy & Management	Public Health Practice
Chemistry and Lab (2 semesters)	Microeconomics	Three years of full time professional experience in a health related field
Introductory Biology and Lab Zoology	Political Science	Computer applications (internet, spreadsheet skills)
Biochemistry	Sociology	
Biochemistry Lab (optional)	Health Care Administration	
Microbiology Lab (optional)	Public Policy	
Immunology Lab (optional)	Statistics	
	Accounting (required for MHA and some MPH tracks)	
<p>Pre-requisite knowledge for All Degree Programs:</p> <p>Computer Skills, Course: Survey of Human Disease or equivalent, Other prerequisites may be required by individual departments or concentrations</p>		