Public Health Dr.P.H. (Concentration in Epidemiology)

Degree Requirements: 60 Credit Hours

Degree Admission Requirements

Regular

To complete an application to the Dr.P.H. program, applicants must submit the following:

- Completion of an applications in SOPHAS.
- Official transcript(s) from a regionally accredited college or university showing courses completed, grades earned, dates, and degree(s) awarded. Transcript(s) must show completion of at least one (1) course in each of the following five (5) areas:
  - biostatistics
  - epidemiology
  - social and behavioral sciences in public health
  - health policy and management
  - environmental health sciences
- Course must have been completed in the last five (5) years, and each must have been passed with a grade of "B" or higher. Applicants who have not completed these courses, but whose applications show exceptional potential for success in the Dr.P.H. program, may be admitted to the Dr.P.H. program, but will be required to complete the courses (as presented in the JPHCOPH MPH core course requirements) with grades of "B" or higher before enrolling in doctoral level courses;
- Three (3) letters of recommendation. Two must be from graduate faculty members and it is encouraged that the third letter be from a work supervisor;
- Official scores from the GRE (General Test) taken in the last five (5) years. An original copy of the test scores, sent by the testing agency to the Office of Graduate Admissions, is required before any action is taken on an application. A copy of the score provided to the student and subsequently forwarded is not acceptable. The requirement for completion of a standardized test will be waived for those applicants who hold a doctoral degree from a regionally accredited college or university;
- All international applicants, including resident and non-resident aliens, whose native language is not English and who do not have an undergraduate degree from a regionally accredited U.S. college or university, are required to submit official TOEFL scores taken within the year immediately proceeding the requested semester of admission. A minimum total score of 83 is required, with minimum scores of 20 for each of the skills evaluated by the TOEFL: Listening, Reading, Speaking, Writing. An original copy of the test score, sent by the testing agency to the Office of Graduate Admissions is required before any action is taken on an application. The copy of the score provided to the student and subsequently forwarded is not acceptable;
- Personal statement/letter of interest emphasizing reason for pursuing Dr.P.H. (700-1000 words);
- Current curriculum vitae or resume.

1 Applicants may be required to take prerequisite coursework prior to taking program concentration courses. Conditions of admission will be presented in the letter of acceptance to each student.

Non-degree Admission Requirements

An applicant may be admitted to the COGS as non-degree students to earn credit in Public Health graduate courses without working toward a Dr.P.H. Interested applications should consult the Jack N. Averitt College of Graduate Studies for the types of Non-Degree admissions as well as the requirements for admission in this category.

Applications for admission into the Dr. P.H. program will be based on a review of the applicant’s Graduate Record Examination scores, recommendations for successful graduate study, and previous academic training. The college also considers the compatibility of the student’s interest areas with those of the faculty and curriculum emphases.

Admission is based on the totality of the applicant’s work, educational experience, recommendations, and other application data. A single application criterion will not be used to outweigh other criteria in making recommendations for admission.

Admission into the Dr. P.H. program requires a master’s degree in public health (M.P.H.) or an acceptable equivalent. Students should have master’s level grade point averages and Graduate Record Examination scores that are acceptable as determined by the faculty. Students who have not completed the public health core as part of their master’s degree must do so by taking an approved course in each of the following areas: biostatistics, environmental health sciences, epidemiology, health policy and management, and social and behavioral sciences.

Admission to the Dr.P.H. is highly selective to ensure that all accepted into the program have the potential to become effective practitioners and applied researchers.

NOTE: Prerequisite undergraduate course work may be required. Contact the Epidemiology Department Chair in the Jiann-Ping Hsu College of Public Health for complete information.

Course Requirements

<table>
<thead>
<tr>
<th>Public Health Core Courses</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PUBH 7132 Scientific Basis of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 9132 Public Health Perspectives in Community-Based and Translational Research</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 9134 Professionalism and Ethics in Public Health Practice</td>
<td>3</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Required Concentration Specific Courses</th>
<th>Credit Hours</th>
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<tr>
<td>BIOS 6331 Regression Analysis in Biostatistics</td>
<td>3</td>
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<tr>
<td>BIOS 6531 Categorical Data Analysis</td>
<td>3</td>
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<tr>
<td>BIOS 7131 Survival Analysis</td>
<td>3</td>
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<tr>
<td>BIOS 7231 Clinical Trials Methodology</td>
<td>3</td>
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<tr>
<td>EPID 8130 Field Methods in Epidemiology</td>
<td>3</td>
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<tr>
<td>EPID 9131 Epidemiology of Infectious Diseases of Direct Interpersonal Transmission</td>
<td>3</td>
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<tr>
<td>EPID 9231 Chronic Disease Epidemiology</td>
<td>3</td>
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<tr>
<td>EPID 9233 Cancer Epidemiology</td>
<td>3</td>
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Electives

Must take 15 hours of Advisor Approved Electives 15

Doctoral Public Health Field Practicum

| PUBH 9790 Doctoral Preceptorship in Public Health | 3 |

Note: 300 Hours of field experience under the joint direction of a public health faculty member and a qualified specialist working in the area of concentration.

Dissertation

1
The Dr.P.H. with a major in Public Health and a concentration in Epidemiology allows students to pursue specialization in one or more of the following specialized areas: Infectious Disease Epidemiology, Environmental Epidemiology and Chronic Disease Epidemiology.

At the completion of the Dr.P.H. degree with a major in Public Health and a concentration in Epidemiology students will be able to:

• Design a public health and epidemiological investigation in terms of experimental design, data to be collected that reflect the research objectives, and specification of appropriate methods of analysis.
• Analyze public health and epidemiological data using appropriate statistical software such as SAS and R.
• Develop new epidemiological methods and new ideas for applying existing epidemiological methods to applications in public health and the epidemiological sciences.
• Develop written and oral reports to communicate effectively with research investigators the pivotal aspects of a study, including: design, study objectives, data analysis methodology, results, and conclusions.
• Create a collaborative environment for working on written and oral reports.
• Employ basic ethical and legal principles pertaining to the collection, maintenance, use and dissemination of epidemiological measures.

Advisement
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