Master of Public Health, M.P.H.

The Master of Public Health (M.P.H.) is recognized as the primary professional degree in public health. The objective of Iowa’s M.P.H. program is to provide education and practical training in public health to students who will be leaders in their respective communities. The program is appropriate for individuals who already have professional experience and/or training in public health as well as for those whose expertise lies outside of public health.

Students may earn the Master of Public Health (M.P.H.) as a single degree, or they may pursue one of several combined degree programs. The College of Public Health offers combined M.P.H./professional degree programs with the Carver College of Medicine and the Colleges of Law and Pharmacy. It also offers two programs in collaboration with the College of Veterinary Medicine at Iowa State University. See “M.P.H./D.V.M. (Iowa State University)” and descriptions of the combined degree programs under Combined Programs [p. 6] in this section of the Catalog.

Undergraduate students can pursue a M.P.H. degree in the following subprograms: biostatistics, community and behavioral health, epidemiology, occupational and environmental health, or policy. Undergraduate students work with their undergraduate advisor and the College of Public Health Undergraduate to Graduate (U2G) coordinator to determine eligibility. In addition, the College of Public Health collaborates with other private colleges in Iowa to offer bachelor’s degrees and Master of Public Health programs for undergraduate students who would like to earn an M.P.H. degree.

The Master of Public Health program is offered by the College of Public Health; the degree is awarded by the Graduate College.

Learning Outcomes

For further information regarding M.P.H. subprogram learning outcomes, visit M.P.H. Programs of Study on the Master of Public Health website.

M.P.H. Foundational Public Health Knowledge

Students will be able to:

- explain public health history, philosophy and values;
- identify the core functions of public health and the 10 essential services;
- explain the role of quantitative and qualitative methods and sciences in describing and assessing a population’s health;
- list major causes and trends of morbidity and mortality in the United States or other community relevant to the school or program;
- discuss the science of primary, secondary, and tertiary prevention in population health, including health promotion, screening, etc.;
- explain the critical importance of evidence in advancing public health knowledge;
- explain effects of environmental factors on a population’s health;
- explain biological and genetic factors that affect a population’s health;
- explain behavioral and psychological factors that affect a population’s health;
- explain the social, political, and economic determinants of health and how they contribute to population health and health inequities;
- explain how globalization affects global burdens of disease; and
- explain an ecological perspective on the connections among human health, animal health, and ecosystem health (e.g., One Health).

M.P.H. Foundational Competencies

Students will be able to:

- apply epidemiological methods to the breadth of settings and situations in public health practice;
- select quantitative and qualitative data collection methods appropriate for a given public health context;
- analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming, and software, as appropriate;
- interpret results of data analysis for public health research, policy, or practice;
- compare the organization, structure, and function of health care, public health, and regulatory systems across national and international settings;
- discuss the means by which structural bias, social inequities, and racism undermine health and create challenges to achieving health equity at organizational, community, and societal levels;
- assess population needs, assets, and capacities that affect communities’ health;
- apply awareness of cultural values and practices to the design or implementation of public health policies or programs;
- design a population-based policy, program, project, or intervention;
- explain basic principles and tools of budget and resource management;
- select methods to evaluate public health programs;
- discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence;
- propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes;
- advocate for political, social, or economic policies and programs that will improve health in diverse populations;
- evaluate policies for their impact on public health and health equity;
- apply principles of leadership, governance, and management, which include creating a vision, empowering others, fostering collaboration, and guiding decision making;
- apply negotiation and mediation skills to address organizational or community challenges;
- select communication strategies for different audiences and sectors;
- communicate audience-appropriate public health content, both in writing and through oral presentation;
- describe the importance of cultural competence in communicating public health content;
• perform effectively on interprofessional teams; and
• apply systems-thinking tools to a public health issue.

Requirements

The Master of Public Health requires 42 s.h. of graduate credit. Students must choose one of the following subprograms: biostatistics, community and behavioral health, epidemiology, occupational and environmental health, policy, or practicing veterinarians.

Degree requirements include a core course in public health practice and in each of the five core disciplines of public health (biostatistics, epidemiology, environmental health, health policy and management, and social and behavioral sciences), a set of content-specific required courses and electives, one interprofessional education course, an applied practice experience, and a capstone experience. Students in the epidemiology subprogram must complete a bioscience course.

All M.P.H. students complete the coursework listed under "Common Requirements." In addition, students complete the coursework listed for their chosen subprogram.

Common Requirements

The following coursework is required for all M.P.H. students. Students must earn a B-minus or higher in each core course. Students may repeat courses to achieve this standard.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of these (18 s.h.):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(students in the biostatistics subgroup may substitute BIOS:5710)</td>
<td></td>
</tr>
<tr>
<td>CBH:4105</td>
<td>Introduction to Health Promotion and Disease Prevention</td>
<td>3</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>HMP:4000</td>
<td>Introduction to the U.S. Health Care System</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Interprofessional Education Course

This course is required for all M.P.H. students. Those students in the combined degree programs (M.D./M.P.H., Pharm.D./M.P.H., and D.V.M./M.P.H.) and professional M.P.H. option students (practicing veterinary, practicing medical) will have this requirement waived since the content is covered in pharmacy, medicine, or veterinary courses or professional experience prior to enrollment in the M.P.H. program.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:5203</td>
<td>Interprofessional Education and Practice for M.P.H. Students III</td>
<td>0</td>
</tr>
</tbody>
</table>

Applied Practice Experience

This requirement is a fieldwork experience in which students show proficiency in applying academic principles in community settings. There are many applied practice opportunities for M.P.H. students locally, nationally, and internationally.

Before they register for and begin the applied practice experience, students choose an approved topic. A final written report with an oral presentation or a poster presentation is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:7500</td>
<td>M.P.H. Applied Practice Experience</td>
<td>2</td>
</tr>
</tbody>
</table>

Capstone Experience

Students are required to complete the capstone experience in their final semester.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:7200</td>
<td>M.P.H. Capstone Experience</td>
<td>1</td>
</tr>
</tbody>
</table>

Biostatistics Subprogram

The Master of Public Health with the biostatistics subprogram requires 42 s.h. of graduate credit. The subprogram is offered by the Department of Biostatistics.

The subprogram is designed to train public health professionals who can provide leadership in the analysis of public health data and the design of studies for public health investigations. It is intended for individuals who are interested in public health and who have quantitative ability but not advanced mathematics training.

Applicants to the subprogram must meet all M.P.H. admission requirements; see Admission [p. 8] in this section of the Catalog. They also should have a cumulative g.p.a. of at least 3.00 and should have completed the following math and computer science coursework: single variable calculus and matrix algebra, satisfied by one semester of calculus equivalent to AP Calculus AB and a high school algebra course involving matrices; and elementary computer programming in any commonly used modern programming language (e.g., Python, Java, C++). Individuals who are admitted to the subprogram without having met all of these requirements must satisfy unmet requirements during their first semester of enrollment in the program.

In addition to the M.P.H. coursework listed under "Common Requirements" above, the biostatistics subprogram requires the following courses.

Biostatistics Subprogram Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of these (10 s.h.):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOS:5120</td>
<td>Regression Modeling and ANOVA in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:5130</td>
<td>Applied Categorical Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:5510</td>
<td>Biostatistical Computing (when topic is programming with R)</td>
<td>2</td>
</tr>
<tr>
<td>BIOS:5510</td>
<td>Biostatistical Computing (when topic is programming with SAS)</td>
<td>2</td>
</tr>
</tbody>
</table>

Students with sufficient mathematical background can substitute BIOS:5710 Biostatistical Methods I, BIOS:5720
Biostatistical Methods II, and BIOS:5730 Biostatistical Methods in Categorical Data in place of BIOS:4120 Introduction to Biostatistics, BIOS:5120 Regression Modeling and ANOVA in the Health Sciences, and BIOS:5130 Applied Categorical Data Analysis. The advanced sequence requires 2 s.h. of fewer elective credits.

**Biostatistics Electives**

Electives (12 s.h.) may be chosen from the following list, and may include any related course approved by the student's advisor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL:4213</td>
<td>Bioinformatics</td>
<td>4</td>
</tr>
<tr>
<td>BIOS:6210</td>
<td>Applied Survival Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:6310</td>
<td>Introductory Longitudinal Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:6420</td>
<td>Survey Design and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:6610</td>
<td>Statistical Methods in Clinical Trials</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:6810</td>
<td>Bayesian Methods and Design</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:7600</td>
<td>Advanced Biostatistics Seminar</td>
<td>0-3</td>
</tr>
<tr>
<td>CS:4470</td>
<td>Health Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>CS:4740</td>
<td>Large Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CS:5110</td>
<td>Introduction to Informatics</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5200</td>
<td>Principles of Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>ISE:4172</td>
<td>Big Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>STAT:3100</td>
<td>Introduction to Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>STAT:3101</td>
<td>Introduction to Mathematical Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>STAT:3210</td>
<td>Experimental Design and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STAT:4100</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>STAT:4101</td>
<td>Mathematical Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>STAT:4520</td>
<td>Bayesian Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STAT:4540</td>
<td>Statistical Learning</td>
<td>3</td>
</tr>
<tr>
<td>STAT:4580</td>
<td>Data Visualization and Data Technologies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Community and Behavioral Health Subprogram Core**

Students earn 18 s.h. in the required subprogram core.

**Theory**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:5220</td>
<td>Health Behavior and Health Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Community and Society**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:6230</td>
<td>Health Equity, Disparities, and Social Justice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Intervention**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:6205</td>
<td>Designing and Implementing Interventions</td>
<td>3</td>
</tr>
<tr>
<td>CBH:6220</td>
<td>Health Communication Campaigns</td>
<td>3</td>
</tr>
</tbody>
</table>

**Methods**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:5305</td>
<td>Evaluation: Approaches and Applications</td>
<td>3</td>
</tr>
<tr>
<td>CBH:6335</td>
<td>Research Methods in Community and Behavioral Health</td>
<td>3</td>
</tr>
</tbody>
</table>

**Community and Behavioral Health Electives**

Students must take an additional 3 s.h. of elective community and behavioral health coursework or, with the approval of their advisor, they can select coursework in another area. In addition, once the 18 s.h. of required community and behavioral health credit is met, students may take any of the other courses as electives.

The following is a list of suggested elective courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:4140</td>
<td>Feminist Activism and Global Health</td>
<td>3</td>
</tr>
<tr>
<td>CBH:5350</td>
<td>Foundations of Maternal and Child Health</td>
<td>3</td>
</tr>
<tr>
<td>CBH:5435</td>
<td>Substance Abuse Prevention and Early Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CBH:5440</td>
<td>Prevention and Early Intervention of Mental Health Disorders</td>
<td>3</td>
</tr>
</tbody>
</table>
Epidemiology Subprogram

The Master of Public Health with the epidemiology subprogram requires 42 s.h. of graduate credit. The subprogram is offered by the Department of Epidemiology.

The subprogram focuses on fundamental epidemiological concepts and methods and provides training in the use of public health data and methods for disease assessment and in methods for evaluating the need and outcome of programs and interventions. Graduates of the program work in public health departments and other health care settings.

Epidemiology subprogram students are required to attend departmental seminars and journal club. They also must present one scientific poster at an international, national, regional, state, university, or departmental poster session.

In addition to the M.P.H. coursework listed under "Common Requirements" above, the epidemiology subprogram requires the following courses.

**Epidemiology Subprogram Core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPID:5241</td>
<td>Statistical Methods in Epidemiology</td>
<td>4</td>
</tr>
<tr>
<td>EPID:5925</td>
<td>Epidemiology Journal Club: Evaluating the Literature (taken three times)</td>
<td>0</td>
</tr>
<tr>
<td>EPID:5540</td>
<td>Public Health Surveillance Mechanisms, Applications, and Data</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5580</td>
<td>Public Health Laboratory Techniques</td>
<td>1</td>
</tr>
<tr>
<td>EPID:5600</td>
<td>Introduction to Epidemiology Data Management and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EPID:6400</td>
<td>Epidemiology II: Advanced Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Bioscience—one of these (3-4 s.h.):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATH:5270</td>
<td>Pathogenesis of Major Human Diseases</td>
<td>3</td>
</tr>
<tr>
<td>PATH:8133</td>
<td>Introduction to Human Pathology for Graduate Students</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Students who already have completed a course equivalent to one of the bioscience courses, PATH:5270 Pathogenesis of Major Human Diseases or PATH:8133 Introduction to Human Pathology for Graduate Students, may substitute an additional elective.

**Epidemiology Electives**

Additional approved elective coursework must be taken to complete the 42 s.h. total required for the M.P.H. At least 3 s.h. of elective credit must be earned in courses offered by the Department of Epidemiology (prefix EPID) or in one of the following biostatistics courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS:6210</td>
<td>Applied Survival Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:6310</td>
<td>Introductory Longitudinal Data Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Other Requirements**

**Department of Epidemiology Seminar**

Every week during the academic year, the Department of Epidemiology seminar provides a forum for speakers to present information or research pertaining to diverse topics in epidemiology. Contact information for the seminar coordinators is located on the Department of Epidemiology website under Preceptorship, Journal Club, and Seminar Contacts. Information about the schedule is distributed weekly each semester. Students are expected to achieve at least 80 percent attendance at the seminar during each semester of enrollment.

**Journal Club for First-Year Students**

Journal Club for first-year students is for those who are new to the department and is offered in the fall semester. The focus is for students to gain experience reading, in interpretation, and in critically evaluating recently published journal articles. Students should register in EPID:5925 Epidemiology Journal Club: Evaluating the Literature, section 1.

**Journal Club**

Every other week during the academic year, the Journal Club meets to discuss articles of interest in the field. Contact information for the Journal Club coordinators can be found on the Department of Epidemiology website under Preceptorship, Journal Club, and Seminar Contacts. Information about the schedule is distributed to students each semester. Students are required to achieve at least 80 percent attendance at Journal Club for three semesters during their time in the program.

**Occupational and Environmental Health Subprogram**

The Master of Public Health with the occupational and environmental health subprogram requires 42 s.h. of graduate credit. The subprogram is offered by the Department of Occupational and Environmental Health.

The subprogram provides students with a broad perspective on public health and career preparation for a variety of professional positions in occupational and environmental health. Public health experience provides desirable background for this subprogram.

In addition to the M.P.H. coursework listed under "Common Requirements" above, the occupational and environmental health subprogram requires the following courses.
**Occupational and Environmental Health Subprogram Core**

Students earn 13 s.h. in the required subprogram core.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of these (4 s.h.):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEH:5010</td>
<td>Occupational and Environmental Health Seminar (taken three times; twice for 0 s.h. and once for 1 s.h.)</td>
<td>0-1</td>
</tr>
<tr>
<td>OEH:5620</td>
<td>Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>Three of these (9 s.h.):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEH:4260</td>
<td>Global Water and Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6710</td>
<td>Human Toxicology and Risk Assessment</td>
<td>3</td>
</tr>
</tbody>
</table>

**Occupational and Environmental Health Electives**

Students can earn the remainder of credit for their degree in elective courses (8 s.h.) offered by a department in the College of Public Health.

The following is a list of suggested elective courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEH:4260</td>
<td>Global Water and Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4310</td>
<td>Occupational Ergonomics: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4530</td>
<td>Global Road Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6120</td>
<td>Current Topics in Agriculture and Rural Health</td>
<td>0-1</td>
</tr>
<tr>
<td>OEH:6420</td>
<td>Methods in Exposure Science</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6431</td>
<td>Assessing Noise Hazards</td>
<td>1</td>
</tr>
<tr>
<td>OEH:6432</td>
<td>Assessing Nonionizing Radiation Hazards</td>
<td>1</td>
</tr>
<tr>
<td>OEH:6433</td>
<td>Assessing Ionizing Radiation Hazards</td>
<td>1</td>
</tr>
<tr>
<td>OEH:6510</td>
<td>Environmental and Occupational Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6520</td>
<td>Injury Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6710</td>
<td>Human Toxicology and Risk Assessment</td>
<td>3</td>
</tr>
</tbody>
</table>

**Policy Subprogram Core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMP:5610</td>
<td>Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>HMP:5650</td>
<td>Health Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6610</td>
<td>Legal Aspects of Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6750</td>
<td>Seminar in Health Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Policy Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 9 s.h. chosen from these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMP:5310</td>
<td>Healthcare Quality Management</td>
<td>2-3</td>
</tr>
<tr>
<td>HMP:5410</td>
<td>Health Economics I</td>
<td>3</td>
</tr>
<tr>
<td>HMP:5450</td>
<td>Health Insurance and Managed Care</td>
<td>3</td>
</tr>
<tr>
<td>HMP:5750</td>
<td>Medicare and Medicaid Policy</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6710</td>
<td>Federalism and Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>LAW:8562</td>
<td>Health Law</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6850</td>
<td>Independent Study and Research</td>
<td>arr.</td>
</tr>
<tr>
<td>POLI:3100</td>
<td>American State Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Practicing Veterinarians Subprogram**

The Master of Public Health with the practicing veterinarians subprogram requires a minimum of 42 s.h. of graduate credit. The program is presented through a collaboration between the University of Iowa College of Public Health and the College of Veterinary Medicine at Iowa State University and is offered primarily by distance learning. It enables students to prepare for new career opportunities and equips them to respond to public health challenges such as zoonotic diseases, food security and foodborne illnesses, bioterrorism, and environmental health.

Students participate in two summer institutes, one on each campus during consecutive summers (two weeks in May and June); the rest of the program is internet-based, so students may complete requirements at times that fit their schedules. Specific courses are required each semester of the program.

In addition to the M.P.H. coursework listed under “Common Requirements” above, the practicing veterinarians subprogram requires the following courses.

**Policy Subprogram**

The Master of Public Health with the policy subprogram requires 42 s.h. of graduate credit. The subprogram is offered by the Department of Health Management and Policy.

The subprogram offers coursework and applied learning experiences that prepare students for careers in health policy analysis, system and organizational planning, and program evaluation. Graduates of the program find positions in federal, state, and local government; professional associations; and private agencies. Varied academic backgrounds are appropriate preparation for this program, including business, liberal arts and sciences, and the health professions.

In addition to the M.P.H. coursework listed under “Common Requirements” above, the policy and administration subprogram requires the following courses.
Practicing Veterinarians Subprogram Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of these (21 s.h.):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:6700</td>
<td>Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5200</td>
<td>Principles of Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5300</td>
<td>Food Safety</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5470</td>
<td>Applied Veterinary Epidemiology/Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5550</td>
<td>Diagnostic Microbiology for Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5570</td>
<td>Zoonotic Diseases</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional M.P.H. Option

Individuals who have already earned a professional degree can choose to complete the professional M.P.H. degree option allowing greater flexibility in elective course selection. Typically, students who pick this option are fellows, medical residents, practicing nurses, or physicians. Completion of the program can enhance physicians ability to receive primary certification from the American Board of Preventive Medicine. Physicians who are considering this certification should review the Become Certified requirements on the American Board of Preventive Medicine website. Students can take core courses on campus or asynchronously online, accommodating a variety of schedules. Students work closely with their advisor to develop a plan of study that is tailored to their specific background and goals.

A typical student completes the M.P.H. in two years. The following is a sample plan based on a full-time student starting in the fall. Students work with their advisor to choose a plan that works best for them.

In addition to the M.P.H. coursework listed under “Common Requirements” above, the professional program requires the following courses.

Professional Program Core

Students earn 9 s.h. in the required core.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both of these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>CPH:6700</td>
<td>Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines</td>
<td>3</td>
</tr>
</tbody>
</table>

One of these:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPID:5500</td>
<td>Introduction to Clinical Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>EPID:6910</td>
<td>Pharmacoepidemiology and Comparative Effectiveness Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Program Electives

At least 12 s.h. chosen from these:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS:5120</td>
<td>Regression Modeling and ANOVA in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:5130</td>
<td>Applied Categorical Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CBH:5220</td>
<td>Health Behavior and Health Education</td>
<td>3</td>
</tr>
<tr>
<td>CBH:5435</td>
<td>Substance Abuse Prevention and Early Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CBH:5440</td>
<td>Prevention and Early Intervention of Mental Health Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CBH:6220</td>
<td>Health Communication Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>CBH:6230</td>
<td>Health Equity, Disparities, and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5200</td>
<td>Principles of Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5570</td>
<td>Zoonotic Diseases</td>
<td>3</td>
</tr>
<tr>
<td>HMP:5610</td>
<td>Health Policy</td>
<td>1-3</td>
</tr>
<tr>
<td>HMP:6360</td>
<td>Nonprofit Organizational Effectiveness I</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6365</td>
<td>Nonprofit Organizational Effectiveness II</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4260</td>
<td>Global Water and Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6510</td>
<td>Environmental and Occupational Epidemiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Combined Programs

M.P.H. (Policy Subprogram)/J.D.

The combined Master of Public Health with a policy subprogram/Juris Doctor requires a minimum of 30 s.h. of graduate credit in addition to the requirements for the J.D. degree. A total of 6 s.h. from the J.D. degree will count toward the 42 s.h. required to earn the M.P.H. degree. The program helps students develop special expertise in public health legal issues. It is designed to train qualified students for leadership roles in both the public and private sectors.

Separate application to each degree program is required; applicants must be admitted to both programs before they may be admitted to the combined degree program.

The combined M.P.H. (policy subprogram)/J.D. requires the following coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMP:5610</td>
<td>Health Policy</td>
<td>1-3</td>
</tr>
<tr>
<td>HMP:5650</td>
<td>Health Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6610</td>
<td>Legal Aspects of Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HMP:6750</td>
<td>Seminar in Health Policy</td>
<td>2-3</td>
</tr>
</tbody>
</table>

These courses count toward both degrees.
M.P.H. Common Requirements

Students must complete courses listed under "Common Requirements" (core courses and practicum) under Master of Public Health Requirements [p. 2] in this section of the Catalog.

J.D. Requirements

Students in the combined M.P.H. (policy subprogram)/J.D. degree program must complete the curriculum of the J.D. program; see Juris Doctor, J.D. (College of Law) in the Catalog. Students must be enrolled in the College of Law to take College of Law courses.

M.P.H./M.D.

The combined Master of Public Health/Doctor of Medicine requires a minimum of 30 s.h. of graduate credit in addition to the requirements for the M.D. degree. A total of 12 s.h. from the M.D. degree will count toward the 42 s.h. required to earn the M.P.H. degree. Students who complete the program enjoy expanded career opportunities and are well prepared to apply the principles of medicine and public health in their work.

Separate application to each degree program is required; applicants must be admitted to both programs before they may be admitted to the combined program.

The combined M.P.H./M.D. requires the following coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both of these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:6700</td>
<td>Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>One of these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPID:5500</td>
<td>Introduction to Clinical Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>EPID:6910</td>
<td>Pharmacoepidemiology and Comparative Effectiveness Research</td>
<td>3</td>
</tr>
</tbody>
</table>

All of the following courses count toward the M.D. degree; 12 s.h. from these count toward the M.P.H. degree.

M.D. Requirements

Students in the combined M.P.H./M.D. program must complete the curriculum of the M.D. program; see Doctor of Medicine, M.D. (Carver College of Medicine) in the Catalog.

M.P.H./Pharm.D.

The combined Master of Public Health/Doctor of Pharmacy requires 42 s.h. of graduate credit in addition to the requirements of the Pharm.D. degree. The program helps students develop expertise in public health related to pharmacotherapy, health promotion, disease prevention, and medication safety.

Graduates of the program may work in areas of interest common to pharmacy and public health, such as spread and treatment of disease, community health, and immunology; bioterrorism, terrorism, and preparedness; genetics; insurance; managed care; family and juvenile health; and protection of special populations. Employment opportunities are available in hospitals and clinics and with health care providers; private practice; insurance and managed care organizations; local, county, state, and federal government; public health governmental agencies; and colleges and universities.

Separate application to each degree program is required; applicants must be admitted to both programs before they may be admitted to the combined degree program.

The combined M.P.H./Pharm.D. requires the following coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both of these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:6700</td>
<td>Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>One of these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPID:5500</td>
<td>Introduction to Clinical Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>EPID:6910</td>
<td>Pharmacoepidemiology and Comparative Effectiveness Research</td>
<td>3</td>
</tr>
</tbody>
</table>

All of the following courses count toward the Pharm.D. degree; 12 s.h. from these count toward the M.P.H. degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>PHAR:8250</td>
<td>Applications of Pharmacy Practice I</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:8263</td>
<td>Integrated Pharmacotherapy: Infectious Diseases</td>
<td>4</td>
</tr>
<tr>
<td>PHAR:8265</td>
<td>Applications of Pharmacy Practice II</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:8374</td>
<td>Applications of Pharmacy Practice III</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:8375</td>
<td>Advanced Topics in Health Services</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:8377</td>
<td>Integrated Pharmacotherapy: Capstone</td>
<td>4</td>
</tr>
<tr>
<td>PHAR:8378</td>
<td>Pharmacy Law and Ethics</td>
<td>2</td>
</tr>
</tbody>
</table>
M.P.H. Common Requirements

Students must complete courses listed as “Common Requirements” (core courses and practicum) under Master of Public Health Requirements [p. 2] in this section of the Catalog.

Pharm.D. Requirements

Students in the combined M.P.H./Pharm.D. program must complete the curriculum of the Pharm.D. program; see Doctor of Pharmacy, Pharm.D. (College of Pharmacy) in the Catalog. Students must be enrolled in the College of Pharmacy in order to take College of Pharmacy courses.

M.P.H./D.V.M. (Iowa State University)

The Master of Public Health/Doctor of Veterinary Medicine is offered by the University of Iowa College of Public Health and the College of Veterinary Medicine at Iowa State University. It requires a minimum of 30 s.h. in addition to the requirements for the D.V.M. degree (see College of Veterinary Medicine in the Iowa State University Catalog). A total of 12 s.h. from the D.V.M. degree will count toward the 42 s.h. required to earn the M.P.H. degree. The program prepares students for work as state veterinarians, as college and university faculty members, in local and state departments of public health, in the Public Health Service Commissioned Corps, in state agricultural departments, and for public health positions in the military.

Separate application to each degree program is required; applicants must be admitted to both programs before they may be admitted to the M.P.H./D.V.M. degree program. For M.P.H. admission requirements, see Admission [p. 8] in this section of the Catalog.

The M.P.H./D.V.M. requires the following coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPID:5300</td>
<td>Food Safety</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5470</td>
<td>Applied Veterinary Epidemiology/Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5570</td>
<td>Zoonotic Diseases</td>
<td>3</td>
</tr>
</tbody>
</table>

M.P.H. Common Requirements

Students must complete courses listed as “Common Requirements” (core courses and practicum) under Master of Public Health Requirements [p. 2] in this section of the Catalog.

M.P.H. Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 9 s.h. from these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPH:6700</td>
<td>Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5200</td>
<td>Principles of Public Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5550</td>
<td>Diagnostic Microbiology for Epidemiology (distance education course)</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
</tbody>
</table>

Admission

Applicants to the M.P.H. program must apply through the Schools of Public Health Application Service (SOPHAS) and then set up a University of Iowa account and pay the UI supplemental fee. For detailed application information, visit Prospective Graduate Students on the Master of Public Health website.

Applicants to the M.P.H. program must have successfully completed one semester each of college algebra and biology.

Applicants whose first language is not English must submit official test scores to verify English proficiency. Applicants can verify English proficiency by submitting official test scores from the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), or another assessment approved by the Graduate College.

Applicants must meet the admission requirements of the Graduate College; see the Manual of Rules and Regulations on the Graduate College website.

Students may enter the M.P.H. program in fall and summer. Application deadline for fall or summer entrance to the M.P.H. program is April 15.

Application deadline for the M.P.H. for practicing veterinarians is March 1.

Application deadline for the Undergraduate to Graduate (U2G) program is February 1.

Students may enter the M.P.H. combined programs in fall, spring, and summer. Contact the individual combined programs for deadline information.

Financial Support

A limited number of tuition scholarship awards are available each year for M.P.H. students. For information on financing education through jobs, grants, and loans, contact the University’s Office of Student Financial Aid.

Career Advancement

For more information about careers in public health, visit Career Services in Public Health on the College of Public Health website or This is Public Health online.

Academic Plans

Sample Plans of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Master of Public Health, M.P.H.

- Biostatistics Subprogram [p. 9]
- Community and Behavioral Health Subprogram [p. 9]
- Epidemiology Subprogram [p. 10]
- Occupational and Environmental Health Subprogram [p. 10]
- Policy Subprogram [p. 11]
Biostatistics Subprogram

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics (or Biostatistical Methods I)</td>
<td>3 - 4</td>
</tr>
<tr>
<td>BIOS:5510</td>
<td>Biostatistical Computing</td>
<td>2</td>
</tr>
<tr>
<td>BIOS:5510</td>
<td>Biostatistical Computing</td>
<td>2</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Any Semester

42 s.h. of graduate level coursework must be completed; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. A cumulative GPA of 3.00 is required.

First Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS:5120</td>
<td>Regression Modeling and ANOVA in the Health Sciences (or Biostatistical Methods II)</td>
<td>3 - 4</td>
</tr>
<tr>
<td>CBH:4105</td>
<td>Introduction to Health Promotion and Disease Prevention</td>
<td>3</td>
</tr>
<tr>
<td>HMP:4000</td>
<td>Introduction to the U.S. Health Care System</td>
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</tr>
<tr>
<td>BIOS Elective b, c</td>
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<td>2 - 3</td>
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</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS:5130</td>
<td>Applied Categorical Data Analysis (or Biostatistical Methods in Categorical Data)</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5203</td>
<td>Interprofessional Education and Practice for M.P.H. Students III</td>
<td>0</td>
</tr>
<tr>
<td>BIOS Elective b</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BIOS Elective b</td>
<td></td>
<td>3</td>
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</tbody>
</table>

Second Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5203</td>
<td>Interprofessional Education and Practice for M.P.H. Students III</td>
<td>0</td>
</tr>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5305</td>
<td>Evaluation: Approaches and Applications</td>
<td>3</td>
</tr>
<tr>
<td>CBH Elective f</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>M.P.H. Capstone Experience</td>
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</tr>
<tr>
<td>CPH:7500</td>
<td>M.P.H. Applied Practice Experience</td>
<td>2</td>
</tr>
<tr>
<td>BIOS Elective b</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 42-45

Community and Behavioral Health Subprogram

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:5220</td>
<td>Health Behavior and Health Education b</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>CBH:6335</td>
<td>Research Methods in Community and Behavioral Health c</td>
<td>3</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
</tbody>
</table>

Any Semester

42 s.h. of graduate level coursework must be completed; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. A cumulative GPA of 3.00 is required.

First Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBH:5220</td>
<td>Health Behavior and Health Education b</td>
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<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
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<tr>
<td>CBH:6335</td>
<td>Research Methods in Community and Behavioral Health c</td>
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</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
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Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CBH:4105</td>
<td>Introduction to Health Promotion and Disease Prevention</td>
<td>3</td>
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<tr>
<td>HMP:4000</td>
<td>Introduction to the U.S. Health Care System</td>
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<tr>
<td>CBH:6230</td>
<td>Health Equity, Disparities, and Social Justice d</td>
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</tr>
<tr>
<td>CBH:6220</td>
<td>Health Communication Campaigns e</td>
<td>3</td>
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<tr>
<td>or CBH:6205</td>
<td>or Designing and Implementing Interventions</td>
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Second Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
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<tr>
<td>CPH:5203</td>
<td>Interprofessional Education and Practice for M.P.H. Students III</td>
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<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
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<tr>
<td>CBH Elective f</td>
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Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CBH:5310</td>
<td>Qualitative Research for Public Health c</td>
<td>3</td>
</tr>
<tr>
<td>or CBH:5235</td>
<td>or Community-Based Participatory Research</td>
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</tr>
<tr>
<td>CPH:7500</td>
<td>M.P.H. Applied Practice Experience</td>
<td>2</td>
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<tr>
<td>CPH:7200</td>
<td>M.P.H. Capstone Experience</td>
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</table>

Total Hours 42

a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
b Work with faculty advisor for approval of appropriate graduate level coursework.
c May substitute BIOS:5730 (Advanced Biostatistics Sequence).
d Replace with elective if BIOS:5730 taken in first year spring semester.

b CBH Theory requirement.
c. CBH Methods requirement.
d. CBH Community and Society requirement.
e. CBH Intervention requirement.
f. Work with faculty advisor for approval of appropriate graduate level coursework.

Epidemiology Subprogram

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5600</td>
<td>Introduction to Epidemiology Data Management and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5925</td>
<td>Epidemiology Journal Club: Evaluating the Literature</td>
<td>0</td>
</tr>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PATH:5270 or PATH:8133</td>
<td>Pathogenesis of Major Human Diseases or Introduction to Human Pathology for Graduate Students</td>
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| Hours | 0 |

First Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5620</td>
<td>Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5010</td>
<td>Occupational and Environmental Health Seminar</td>
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</tr>
<tr>
<td>EPID:5925</td>
<td>Epidemiology Journal Club: Evaluating the Literature</td>
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| Hours | 12 |

Spring

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CPH:7200</td>
<td>M.P.H. Capstone Experience</td>
<td>1</td>
</tr>
<tr>
<td>CPH:7500</td>
<td>M.P.H. Applied Practice Experience</td>
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<tr>
<td>EPID:5580</td>
<td>Public Health Laboratory Techniques</td>
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<tr>
<td>EPID Elective</td>
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</table>

| Hours | 7 |

Total Hours 42-43

a. Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
b. Students are expected to achieve at least 80% attendance at the seminar during each semester of enrollment.
c. Students are required to achieve at least 80% attendance at Journal Club for three semesters during their time in the program.
d. CPH:5203 is a single day activity, and students must complete this during fall semester of the second year.
e. Students must complete the six MPH common core courses (BIOS:4120, CPH:4105, CPH:5100, EPID:4400, HMP:4000, OEH:4240) prior to taking this course. Exceptions are granted on a case-by-case basis.
f. Work with faculty advisor for approval of appropriate graduate level coursework.
g. Elective must have EPID prefix or may be either BIOS:6210 or BIOS:6310.

Occupational and Environmental Health Subprogram

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPH:5203</td>
<td>Interprofessional Education and Practice for M.P.H. Students III</td>
<td>0</td>
</tr>
<tr>
<td>EPID:5540</td>
<td>Public Health Surveillance Mechanisms, Applications, and Data</td>
<td>3</td>
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<tr>
<td>EPID:5925</td>
<td>Epidemiology Journal Club: Evaluating the Literature</td>
<td>0</td>
</tr>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>CPH:5100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5620</td>
<td>Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5010</td>
<td>Occupational and Environmental Health Seminar</td>
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</table>

| Hours | 12 |
Spring
CBH:4105 Introduction to Health Promotion and Disease Prevention 3
HMP:4000 Introduction to the U.S. Health Care System 3
OEH Required Core Course c 3
OEH Required Core Course c 3
OEH:5010 Occupational and Environmental Health Seminar b 0

Second Year
Fall
BIOS:4120 Introduction to Biostatistics 3
OEH Required Core Course c 3
CPH:5203 Interprofessional Education and Practice for M.P.H. Students III 0
OEH Elective d 3

Spring
OEH:5010 Occupational and Environmental Health Seminar b 1
OEH Elective d 3
OEH Elective d 2-3
CPH:7500 M.P.H. Applied Practice Experience 2
CPH:7200 M.P.H. Capstone Experience 1
Hours 9-10
Total Hours 42-43

Practicing Veterinarians Subprogram
Course Title Hours
Academic Career
Any Semester
42 s.h. of graduate level coursework must be completed; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. a
A cumulative GPA of 3.00 is required.

First Year
Fall
HMP:4000 Introduction to the U.S. Health Care System b 3
HMP:5610 Health Policy 3
CPH:5100 Introduction to Public Health 3
OEH:4240 Global Environmental Health 3

Spring
BIOS:4120 Introduction to Biostatistics 3
CBH:4105 Introduction to Health Promotion and Disease Prevention 3
HMP:5650 Health Policy Analysis 3

Second Year
Fall
EPID:4400 Epidemiology I: Principles 3
HMP:6750 Seminar in Health Policy 3
HMP:6610 Legal Aspects of Healthcare 3
CPH:5203 Interprofessional Education and Practice for M.P.H. Students III 0

Spring
Policy Elective c, d 3
Policy Elective c, d 3
Policy Elective c, d 3
CPH:7200 M.P.H. Capstone Experience 1
CPH:7500 M.P.H. Applied Practice Experience 2

Hours 12
Total Hours 42

a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
b HMP:5005 will also satisfy this requirement.
c Work with faculty advisor for approval of appropriate graduate level coursework.
### Second Year
#### Fall
- **EPID:5200** Principles of Public Health Informatics 3
- **CPH:6700** Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines 3
- **CPH:5203** Interprofessional Education and Practice for M.P.H. Students III 0

#### Hours 9

#### Spring
- **EPID:5550** Diagnostic Microbiology for Epidemiology 3
- **CPH:7500** M.P.H. Applied Practice Experience 2
- **CPH:7200** M.P.H. Capstone Experience 1

#### Hours 6

#### Summer
- **EPID:5300** Food Safety c 3
- **EPID:5470** Applied Veterinary Epidemiology/ Biostatistics c 3
- **HMP:4000** Introduction to the U.S. Health Care System 3

#### Hours 9

#### Total Hours 42

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### Professional M.P.H. Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td></td>
<td><strong>Academic Career</strong></td>
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<tr>
<td></td>
<td><strong>Any Semester</strong></td>
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<tr>
<td></td>
<td>42 s.h. of graduate level coursework must be completed; graduate</td>
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<tr>
<td></td>
<td>transfer credits allowed upon approval. More information is included</td>
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<td></td>
<td>in the General Catalog and on department website. A cumulative GPA</td>
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<td>of 3.00 is required.</td>
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#### Hours 0

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<tr>
<td></td>
<td><strong>First Year</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Fall</strong></td>
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<tr>
<td></td>
<td><strong>EPID:4400</strong> Epidemiology I: Principles</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>OEH:4240</strong> Global Environmental Health</td>
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<td><strong>BIOS:4120</strong> Introduction to Biostatistics</td>
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#### Hours 9

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<tr>
<td></td>
<td><strong>Spring</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>CBH:4105</strong> Introduction to Health Promotion and Disease Prevention</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>OEH:6110</strong> Rural Health and Agricultural Medicine</td>
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<td><strong>MPH Elective</strong></td>
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#### Hours 9

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<td></td>
<td><strong>CPH:5100</strong> Introduction to Public Health</td>
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#### Hours 6

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### Notes

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- Work with faculty advisor for approval of appropriate graduate level coursework.

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- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b UI Summer Institute
- c ISU Summer Institute