The Public Health major comprises the following concentrations:

- **The Biostatistics** concentration prepares students in the quantitative science of health data collection, storage, retrieval, analysis, and interpretation. Graduates are equipped to use statistical methods to design and analyze health-related surveys and experiments for improving health. The college's faculty research interests include applying biostatistical analysis to understand critical health problems. Graduates in biostatistics are in demand at hospitals, pharmaceutical companies, state and local health departments, federal health agencies and biotechnology companies to analyze the effectiveness of new drugs and interventions, identify risk factors for disease and develop effective prevention strategies.

- **The Epidemiology** concentration prepares students to analyze the distribution and determinants of disease, disabilities and death in populations. Graduates are able to apply quantitative and qualitative methods to investigate disease outbreaks, determine causal relationships between environmental and biological factors, and conduct studies to project health trends in populations. Students in this specialization benefit from public health faculty research agendas in bio-preparedness, public health surveillance systems, chronic disease, cancer and infectious disease epidemiology. Career opportunities for graduates include research positions in universities, medical schools and pharmaceutical companies; disease prevention specialists in hospitals; and surveillance managers in state and local health departments.

- **The Health Policy and Management** concentration prepares students to address public health risks and develop effective health services delivery models. An interdisciplinary program incorporates health services research, health policy analysis and health care planning and management. Given the active research of the college’s faculty in identifying service gaps and in developing evidence-based practices and policy analysis, students emerge with strong skills in health services management, alternative models of service financing and strategies for improving services. Career opportunities for graduates include administrative and management positions in hospitals, clinics, state and local health departments, nursing homes and mental health facilities; policy analyst positions in health planning organizations and governmental agencies; and planning and management positions in health maintenance organizations and health insurance companies.

- **The Social and Behavioral Sciences** concentration provides students with an interdisciplinary approach to improve health in populations across the life course. Students learn to apply theoretical principles to design, implement, and evaluate effective programs that include behavioral and environmental approaches. Graduates are able to design and evaluate public health interventions intended to improve health for families, workplaces, communities, and other settings. The active research of the college's faculty, particularly in the areas of childhood obesity, violence and injury prevention, substance abuse prevention, and chronic disease prevention, provides students the opportunity to work on large-scale externally funded prevention research. Students are prepared for careers in health promotion; program design and evaluation; and prevention program development for state and local health departments, workplace health promotion programs, hospitals, international health agencies, mental health centers and non-profit organizations.

**Fully Offered At:**
- Online (Health Policy and Management and Social and Behavioral Sciences concentrations only)
- Kent Campus
- Trumbull Campus (Health Policy and Management concentration only)
- Regional Academic Center in Twinsburg (Health Policy and Management concentration only)

**Accreditation**
The M.P.H. degree in Public Health is accredited by the Council on Education for Public Health (CEPH).

**Admission Requirements**
- Bachelor’s degree from an accredited college or university for unconditional admission
- Minimum 3.00 under graduate GPA on a 4.000 point scale for unconditional admission
- Official transcript(s)
- GRE scores or other standardized graduate admission exam (GMAT, MCAT, LSAT or PCAT)
- Goal statement
- Three letters of recommendation
- English Language Proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
  - Minimum 550 TOEFL PBT score - paper-based version
  - Minimum 77 MELAB score
  - Minimum 6.5 IELTS score
  - Minimum 58 PTE score
  - Minimum 110 Duolingo English Test score

For more information about graduate admission, please visit the Graduate Studies website. For more information on international admission, visit the Office of Global Education's admission website.
Program Learning Outcomes

Graduates of this program will be able to:

1. Explain public health history, philosophy and values
2. Identify the core functions of public health and the 10 Essential Services
3. Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population's health
4. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program
5. Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.
6. Explain the critical importance of evidence in advancing public health knowledge
7. Explain effects of environmental factors on a population's health
8. Explain biological and genetic factors that affect a population's health
9. Explain behavioral and psychological factors that affect a population's health
10. Explain how globalization affects global burdens of disease
11. Explain how structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels
12. Apply systems thinking tools to a public health issue
13. Identify the core functions of public health and the 10 Essential Services
14. Explain public health history, philosophy and values
15. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program
16. Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.
17. Explain the critical importance of evidence in advancing public health knowledge
18. Explain effects of environmental factors on a population's health
19. Explain biological and genetic factors that affect a population's health
20. Explain behavioral and psychological factors that affect a population's health
21. Explain how globalization affects global burdens of disease
22. Explain how structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels
23. 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
24. Assess population needs, assets and capacities that affect communities’ health
25. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs
26. Design a population-based policy, program, project or intervention
27. Explain basic principles and tools of budget and resource management
28. Select methods to evaluate public health programs
29. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence
30. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes
31. Advocate for political, social or economic policies and programs that will improve health in diverse populations
32. Evaluate policies for their impact on public health and health equity
33. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making
34. Apply negotiation and mediation skills to address organizational or community challenges
35. Select communication strategies for different audiences and sectors
36. Communicate audience-appropriate public health content, both in writing and through oral presentation
37. Describe the importance of cultural competence in communicating public health content
38. Perform effectively on interprofessional teams
39. Apply systems thinking tools to a public health issue

Professional Licensure Disclosure

This program is designed to prepare students to sit for applicable licensure or certification in Ohio. If you plan to pursue licensure or certification in a state other than Ohio, please review state educational requirements for licensure or certification and contact information for state licensing boards at Kent State’s website for professional licensure disclosure.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BST 52019</td>
<td>BIOSTATISTICS IN PUBLIC HEALTH</td>
<td>4</td>
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<tr>
<td>EHS 52018</td>
<td>ENVIRONMENTAL HEALTH CONCEPTS IN PUBLIC HEALTH</td>
<td>3</td>
</tr>
<tr>
<td>EPI 52017</td>
<td>FUNDAMENTALS OF PUBLIC HEALTH EPIDEMIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>HPM 52016</td>
<td>PUBLIC HEALTH ADMINISTRATION</td>
<td>3</td>
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<tr>
<td>HPM 53010</td>
<td>COMMUNITY HEALTH NEEDS ASSESSMENT</td>
<td>3</td>
</tr>
<tr>
<td>SBS 54634</td>
<td>SOCIAL DETERMINANTS OF HEALTH BEHAVIORS</td>
<td>3</td>
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</tbody>
</table>

Major Electives, choose from the following:
- Biostatistics Courses (BST 50000 or 60000 level)
- Environmental Health Sciences Courses (EHS 50000 or 60000 level)
- Epidemiology Courses (EPI 50000 or 60000 level)
- Health Policy and Management Courses (HPM 50000 or 60000 level)
- Social and Behavioral Sciences Courses (SBS 50000 or 60000 level)

Concentrations

Choose from the following:
- Biostatistics
- Epidemiology
- Health Policy and Management
- Social and Behavioral Sciences

Minimum Total Credit Hours: 46

Biostatistics Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BST 60192</td>
<td>PRACTICUM EXPERIENCE IN BIOSTATISTICS</td>
<td>3-6</td>
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</table>
Graduation Requirements

1. Practicum placement at an approved public health agency, under the guidance of a qualified preceptor (150 or 300 contact hours)
2. A final portfolio/report and a seminar presentation integrating theory and practice
3. A comprehensive written exam
4. Participation in at least one approved inter-professional education event. This event will require students to participate at a specific time/date to be determined in consultation with the student’s advisor.

Epidemiology Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BST 63012</td>
<td>SURVIVAL ANALYSIS IN PUBLIC HEALTH</td>
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<tr>
<td>BST 63013</td>
<td>EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH</td>
<td>3</td>
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<tr>
<td>BST 63014</td>
<td>APPLIED REGRESSION ANALYSIS OF PUBLIC HEALTH DATA</td>
<td>3</td>
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<tr>
<td>EPI 63016</td>
<td>PRINCIPLES OF EPIDEMIOLOGIC RESEARCH</td>
<td>3</td>
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<tr>
<td>EPI 63034</td>
<td>LONGITUDINAL DATA ANALYSIS</td>
<td>3</td>
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</table>

Minimum Total Credit Hours: 21

Health Policy and Management Concentration Requirements

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<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HPM 53003</td>
<td>HEALTH CARE SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>HPM 53004</td>
<td>PUBLIC HEALTH POLICY, LAW AND ETHICS</td>
<td>3</td>
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<tr>
<td>HPM 53005</td>
<td>FINANCIAL MANAGEMENT FOR PUBLIC HEALTH ORGANIZATIONS</td>
<td>3</td>
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<tr>
<td>HPM 53006</td>
<td>COST BENEFIT ANALYSIS IN PUBLIC HEALTH PROGRAMS</td>
<td>3</td>
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<tr>
<td>HPM 53007</td>
<td>PUBLIC HEALTH PROGRAMS: PLANNING, IMPLEMENTATION AND EVALUATION</td>
<td>3</td>
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<tr>
<td>HPM 60192</td>
<td>PRACTICUM EXPERIENCE IN HEALTH POLICY AND MANAGEMENT</td>
<td>3-6</td>
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</table>

Minimum Total Credit Hours: 21

Social and Behavioral Sciences Concentration Requirements

<table>
<thead>
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<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPM 53007</td>
<td>PUBLIC HEALTH PROGRAMS: PLANNING, IMPLEMENTATION AND EVALUATION</td>
<td>3</td>
</tr>
<tr>
<td>SBS 50002</td>
<td>QUANTITATIVE METHODS IN SOCIAL AND BEHAVIORAL SCIENCES</td>
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<td>SBS 50020</td>
<td>SOCIAL AND BEHAVIORAL SCIENCE THEORIES</td>
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<td>SBS 50030</td>
<td>SEMINAR IN SOCIAL AND BEHAVIORAL SCIENCES</td>
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<tr>
<td>SBS 53008</td>
<td>GRANT WRITING IN SOCIAL AND BEHAVIORAL SCIENCES</td>
<td>3</td>
</tr>
<tr>
<td>SBS 60192</td>
<td>PRACTICUM EXPERIENCE IN SOCIAL AND BEHAVIORAL SCIENCES</td>
<td>3-6</td>
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Minimum Total Credit Hours: 21