

Programmatic Competencies

Doctor of Public Health

- Analyze and critique public health as a system, including specific functions and roles of government and governmental public health agencies and other partners, assessing the system's ability to respond to public health problems and its limitations, and identifying ways to improve it;
- Integrate and apply multidisciplinary theories and research findings to solve a public health problem(s);
- Demonstrate an understanding of the ecological model and how it guides the assessment of, and solutions to, public health issues;
- Obtain, interpret and apply appropriate quantitative, qualitative and economic measures to address public health problems or issues;
- Demonstrate in-depth understanding through use of an applied research methodology of interest (quantitative, qualitative or economic research methods) of a public health problem or issue;
- Describe and apply appropriate theories in area of specialization to explain and predict public health problems and solutions;
- Apply measures of population health and illness, including risk factors, in the development of community health improvement initiatives, taking into account appropriate cultural, social, behavioral, occupational, environmental and biological factors and the principles of community organization and community building;
- Develop and apply a logic model, or other systems applications, demonstrating interrelationships among risk and protective factors, as well as between process and outcome objectives, and targets/standards for population health;
- Apply research, evaluation and strategic planning designs to address a public health issue in an area of specialization;
- Demonstrate an ability to design, implement and evaluate sustainable public health programs;
- Demonstrate an ability to strategically plan, implement and evaluate agency or organization improvements;
- Demonstrate an understanding of the political, cultural, social, environmental, occupational and economic factors influencing the development of, and changes in, public health programs, agencies, or interventions as well as strategies to positively affect those factors;
- Apply principles and tools of financial and human resource management to public health programs;
- Demonstrate an ability to lead and manage individuals or teams in the design, implementation and evaluation of public health programs;
- Access and synthesize information from a variety of sources to make evidenced-based program decisions;
- Apply negotiation, advocacy and other skills to public policy making, demonstrating an understanding of how to influence the process;
- Demonstrate an understanding of the theoretical elements of effective oral and written communication;
- Organize and present qualitative, quantitative and economic data cogently and persuasively at scientific sessions and to lay audiences;
- Design oral and written communications for varied audiences (community and business leaders, the public, policy makers, public health professionals, the media, and other stakeholders);

- Demonstrate ability to develop a social marketing plan for a new or existing intervention;
- Demonstrate an understanding of the legal and ethical foundations of public health;
- Apply principles of effective leadership in order to create a shared vision within a public health organization and foster partnerships that maximize achievement of public health goals.

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