

COUNCIL ON EDUCATION FOR PUBLIC HEALTH (CEPH) COMPETENCIES

Competency	Course number(s) and name(s)*
Evidence-based Approaches to Public Health	
1. Apply epidemiological methods to the breadth of settings and situations in public health practice	MSPH 0614 Principles of Epidemiology
2. Select quantitative and qualitative data collection methods appropriate for a given public health context	MBIO 0660 Biomedical Statistics MSPH 0625 Multivariate Methods
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate	MBIO 0661 Advanced Epidemiology PATH 0669 Risk Analysis
4. Interpret results of data analysis for public health research, policy or practice	MSPH 0614 Principles of Epidemiology
5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings	MSPH 0605 Introduction to Health Administration, policy and Law
6. 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	MSPH 0615 Health Disparities/Inequities
7. Assess population needs, assets and capacities that affect communities' health	MSPH 0630 Program Planning & Evaluation
8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs	MSPH 0615 Health Disparities/Inequities
9. Design a population-based policy, program, project or intervention	MSPH 0630 Program Planning & Evaluation
10. Explain basic principles and tools of budget and resource management	MBIO 0700.01 Research Thesis or Practicum

11. Select methods to evaluate public health programs	MSPH 0700 Proposal Writing and Grant Management MSPH 0605 Introduction to Health Administration, policy and Law
12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence	MSPH 0605 Introduction to Health Administration, policy and Law
13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes	MSPH 0626 Public Health
14. Advocate for political, social or economic policies and programs that will improve health in diverse populations	MSPH 0600 Environmental Health Sciences
15. Evaluate policies for their impact on public health and health equity	MSPH 0600 Environmental Health Sciences
16. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making	MSPH 0626 Public Health
17. Apply negotiation and mediation skills to address organizational or community challenges	MSPH 0632 Public Health Leadership & Emergency Management
18. Select communication strategies for different audiences and sectors	MSPH 0631 Health Education & Communication MSPH 0633 Risk Communication
19. Communicate audience-appropriate public health content, both in writing and through oral presentation	MSPH 0631 Health Education & Communication
20. Describe the importance of cultural competence in communicating public health content	MSPH 0631 Health Education & Communication MSPH 0633 Risk Communication
21. Perform effectively on interprofessional^ teams	MSPH 0632 Public Health Leadership & Emergency Management
22. Apply systems thinking tools to a public health issue	MSPH 0614 Principles of Epidemiology