not have had an undergraduate course computer intensive or computer literacy course on their transcripts but have worked for several years in a position that is computer intensive.

Students must have documented a recent statistics or biostatistics course to include basic probability concepts, organizing and summarizing data, sampling distributions, hypothesis testing, simple linear regression and correlation and analysis of variance. DSCI 245 Data Analysis for Business (4) or its equivalent fulfill this requirement. Students must also have completed an upper level technical/scientific writing course.

The internship for the program aims to develop public health skills, knowledge and competencies through practice. As part of this experience students develop a portfolio to display their work that addresses specific competency areas within the program. The portfolio serves as a formative assessment of progress through the MPH towards public health competencies. Prior to an internship students must have a student membership in national professional organization that relates to public health.

In order to successfully graduate from the program students must successfully complete a research project which serves as a comprehensive examination, a graduate school requirement.

The intent of the program is to meet the criteria set out by the Council on Education for Public Health (CEPH). Competencies for the program incorporate those identified by the Association of Schools and Programs of Public Health (ASPPH).

Note: to apply for this program, an individual must have an undergraduate degree and GPA ≥3.0 meeting the EWU graduate school requirements.

### Required Core

- HSAD 500S Healthcare Systems (4)
- HSAD 510S Health Law and Finance (4)
- HSAD 520S Administration and Leadership in Health Services (4)
- HSAD 540S Health Policy (4)
- PUBH 500S Orientation to Public Health 1 (1)
- PUBH 501S Further History and Philosophy of Public Health (1)
- PUBH 560S Foundations in Epidemiology (3)
- PUBH 561S Social and Behavioral Issues in Public Health (4)
- PUBH 563S Research, Biostatistics and other ways of ‘knowing’ (3)
- PUBH 564S Environmental and Occupational Public Health (3)
- PUBH 565S Combating Health Inequalities (3)
- PUBH 572S Health Risk Management and Response (3)
- PUBH 573S Health Program Planning, Evaluation and Process Improvement (3)
- PUBH 582S Professionalism in Public Health 1 (1)
- PUBH 583S Professionalism in Public Health 2 (1)
- PUBH 585S Research Project Proposal 1 (1)
- PUBH 586S Research Project Preparation 2 (1)
- PUBH 587S Research Project (2)
- PUBH 599S Internship (1–6)

### Electives—choose one from the following list

- HSAD 598S Seminar in Health Services Administration (4)
- PUBH 574S Seminar in Public Health Preparedness (3)
- PUBH 594S Seminar in Health Promotion (3)
- PUBH 596S Experimental (3)
- PUBH 597S Workshop in Public Health (3)
- PUBH 598S Seminar in Epidemiology (3)
- PUBH 599S Independent Study (3)

### Minimum total credits for above master’s degree

55 credits
PUBH 500S Orientation to Public Health (1)  
This course introduces students to the history and background of public health. It aims to develop a public health orientation among students, and discusses some of the successes and failures of public health.

PUBH 501S Further History and Philosophy of Public Health (1)  
This course provides a more detailed introduction to public health approaches and concepts. It aims to continue to develop a public health orientation among students, and discusses public health issues, concepts and terminology.

PUBH 560S Foundations in Epidemiology (3)  
This course imparts to students the foundations of epidemiology, including its principles, concepts, and methods of epidemiologic practice; design, interpretation and evaluation of epidemiologic investigations; and the use of classical statistical approaches to describe health of populations, and appropriate summaries and displays of data. Topics include the dynamic behavior of disease; calculation and use of rates, ratios and proportions; methods of direct and indirect adjustment measuring and describing the extent of disease problems. Various epidemiologic study designs for investigating associations between risk factors and disease outcomes are studied, with standard criteria for causal inferences. The application of these disciplines in the areas of health services, screening, genetics, environment, systems, behavior and policy are presented. This course also discusses the influence of epidemiology and biostatistics on the decision making process.

PUBH 561S Social and Behavioral Issues in Public Health (4)  
An overview of the vast body of literature that incorporates social and personality factors, cultural influences upon individual behavior, stress and related psychosocial factors as determinants of health. Determinants of health and disease are multi-factorial and enmeshed in the social fabric and psychological constitution of the person or may involve a complex interaction of the person and environment. This course will illustrate how public health, epidemiology and the medical sciences have borrowed from theoretical and conceptual bases of the behavioral sciences for etiologic models of disease. Public health literature using psychosocial epidemiology measures will be discussed, such as the chronic, degenerative diseases: hypertension, CVD, depression, arthritis, certain cancers, and diabetes. The potential of the behavioral sciences for the development of explanatory frameworks and expanding knowledge of social conditions of unknown etiology will be emphasized. In addition, research methodology in Psychosocial epidemiology will be reviewed.

PUBH 563S Research, Biostatistics and other ways of 'knowing' (3)  
This course begins with an introduction to differing research paradigms, before moving on to discuss the contact information. The course then concentrates on biostatistics. This approach is subsequently critiqued and alternative more qualitative and participatory approaches are examined. A critical approach is adopted to explore all of the paradigms presented.

PUBH 564S Environmental and Occupational Public Health (3)  
This course provides an introduction to the twin fields of environmental and occupational health. It begins with an examination of human-environment interactions, global climate change and the Anthropocene concept. The course then explores potential environmental threats (physical, chemical, radiological and biological agents) and bodily responses to such insults in both the workplace and the wider environment. Vectors for dissemination are then examined, as are susceptible populations and biomarkers. The potential of GIS is explored via a practical project as part of risk analysis. Risk management and response are briefly introduced. A critical approach to environmental and occupational health is adopted through an exploration of such issues as socio-economics and industrial interests on debates in the field.

PUBH 565S Combating Health Inequalities (3)  
This course begins with an examination of health inequalities locally, nationally and globally. This is followed by an examination of competing explanations for the existence of such inequalities. Particular attention is paid to structural issues and racism and exclusion. The course then focuses on policies and responses to such inequalities at all relevant levels through focusing on an annual health issue (individual, family, group, community, neighborhood, City, State, National, International).

PUBH 572S Health Risk Management (3)  
This course focusses on risk management, preparedness and response. The course starts with an examination of the risk management process and adopts a systems based approach. Attention is paid to the role of governance and ethical dimensions of risk management before a vulnerability assessment is completed by students. The course then moves to emergency planning and preparedness for ‘major incidents’, before concluding with an exploration of public health responses to infectious disease outbreaks.

PUBH 573S Health Program Planning, Evaluation and Process Improvement (3)  
This course introduces students to community program planning and evaluation. The course is designed to develop the core competencies needed to plan, implement and evaluate public health interventions. The course introduces the major activities and processes involved in planning, implementing, and evaluating public and community health programs. Students will be introduced to a range of theories, evidence-based practices, and methods of process improvement. Particular attention is paid to structural issues and racism and exclusion. The course then focuses on policies and responses to such inequalities at all relevant levels through focusing on an annual health issue (individual, family, group, community, neighborhood, City, State, National, International).

PUBH 574S Seminar in Public Health Preparedness (3)  
This course focuses on public health preparedness and response to major incidents and communicable disease outbreaks. The course starts with an examination of the concepts of risk before examining the principles of response. The major foci of this course are: initial rapid assessment; Surveillance; personnel and logistics; and communicable disease control.

PUBH 582S Professionalism in Public Health (1)  
This course provides an introduction to professionalism in public health. It focuses on self-presentation and internship preparation.

PUBH 583S Professionalism in Public Health (2)  
This course provides an introduction to professionalism in public health. It focuses on self-presentation and internship preparation.

PUBH 585S Research Project Proposal (1)  
The first half of this course guides students in developing a clear focused relevant and achievable research proposal. It then focuses on advanced academic skills in conducting a comprehensive in-depth literature search and writing a literature review worthy of publication.

PUBH 586S Research Project Preparation (2)  
The first half of this course further develops students' understanding of philosophical approaches to research. The second half then turns to advanced skills in methodological questions relating to conducting a research project worthy of publication.

PUBH 587S Research Project (2)  
Prerequisites: PUBH 585S and PUBH 586S. Completion of a research project under guidance from a faculty member.

PUBH 594S Seminar in Health Promotion (3)  
By reviewing specific programs, this course introduces the student to health communication, its theories, its roles in health promotion and behavior. It also provides the student with an understanding of health communication research and practice, its role in patient provider interactions, public health campaigns and media advocacy. In addition, this course allows the student to understand the foundations of social, cultural and organizational complexities of communicating about health.

PUBH 595S Internship (1–6)  
Note: may be repeated for up to 6 credits. Prerequisite: must be declared in MPH and students must have completed a minimum of 15 credits in graduate level PUBH.

The internship in MPH is intended to serve as a formative and reflective opportunity for students in the program. The organization at which the internship experience occurs is chosen based on the student's goals and the organization's needs. An interview is first conducted with the site supervisor and student to ensure this will work for both. Once the internship is complete and both parties agree, then the needed paperwork is started. The internship plan is to address competencies for the internship experience agreed upon by the student, organization and faculty. The internship plan is to be completed and submitted to the instructor with the EWU-Agency Internship agreement and site information. Checks with the instructor to determine if an agency agreement is already in place. The projects identified as part of the portfolio are to be identified in the internship plan. The placement is for 16 weeks, 40 hours per week. Some students may chose to do 20 hours per week over 2 semesters. A weekly work schedule is jointly agreed upon by the supervisor and intern. The intern is responsible to present to the site supervisor with a copy of the Site Supervisor Handbook and Masters in Public Health Internship Competencies. Both are posted on Canvas. Each student must sign up on Canvas.

PUBH 596S Experimental (3)  
PUBH 597S Workshop (3)  
PUBH 598S Seminar (3)  
PUBH 599S Independent Study (3)  
Prerequisites: permission of the instructor, department chair and college dean.