

Programs

Public Health, B.S.

(51 credits)

The Bachelor of Science in Public Health, under the Department of Biology, Chemistry, and Mathematics, is designed to equip students with the analytical skills necessary to build and champion public health policies. In addition to providing students with an understanding of research methods and data analysis, it also provides students with an understanding of the history and present reality of public health systems. Students will learn about the role of both the citizen and the state in public health, understand the importance and implications of economics in healthcare, and master the key approaches and heuristics of public health.

Upon completing the program of study in Public Health, students will:

- Demonstrate a foundation in the social sciences, including economics, anthropology and sociology.
- Assess the historical context of public health policies and use historical data to inform their positions.
- Be able to source, analyze and explain epidemiological data to inform policy design.
- Be able to assess the strengths and weaknesses of any given healthcare system.
- Be able to evaluate the failures and successes of modern public health policies in the context of health trends and their relevance for future policy decisions.
- Demonstrate an understanding of the role economics plays within public health.

- **Be able to implement modern qualitative and quantitative research methods and evaluate the importance of those methods for a given problem.**

MAJOR REQUIREMENTS

REQUIRED CORE (51 credits)

MA 117	Biostatistics: Math for Healthcare
PY 111	Introduction to Psychology
SC 114	Nutrition for Health and Fitness: The Science of Wellness
SO 111	Introduction to Sociology
PO 230	State and Local Government
PY 235	Drug and Alcohol Abuse
MG 235	Healthcare Management
MG 308	Ethical Issues in Healthcare
PHS 211	
PHS 310	Epidemiology
PHS 311	
PHS 312	

Select two (4 credits)

BI 111	General Biology I
BI 111L	General Biology I Laboratory
BI 206	Human Anatomy & Physiology I
BI 206L	Human Anatomy & Physiology I Laboratory

Note: BI 111 and BI 111L or BI 206 and BI 206L must be taken concurrently.

Select two (4 credits)

BI 112 General Biology II

BI 112L General Biology II Laboratory

BI 207 Human Anatomy & Physiology II

BI 207L Human Anatomy & Physiology II Laboratory

Note: BI 112 and BI 112L or BI 207 and BI 207L must be taken concurrently.

Select two (4 credits)

CH 121 General Chemistry I

CH 121L General Chemistry I Laboratory

CH 231 General Organic Biochemistry

CH 231L General Organic Biochemistry Laboratory

Note: CH 121 and CH 121L or CH 231 and CH 231L must be taken concurrently.

Select one (3 credits)

PHS 380

PHS 388 Public Health Studies II: Demographics, Geo-Spatial Mapping, and Qualitative Research

WRITING IN THE DISCIPLINE DESIGNATED COURSE

MG 308 Ethical Issues in Healthcare