Public Health: Health Science BS
Credit Hours:      Existing: 63-65
                  Proposed: 60

**REQUIREMENT 1.** Complete 10 courses:
*Note: Phscs 106 should be taken before or concurrently with Phscs 108.*

- HLTH 100    Introduction to Public Health 1.0
- HLTH 210    Foundations of Public Health 3.0
- HLTH 310    Chronic Diseases: Prevention and Control 3.0
- HLTH 311    Infectious Diseases: Prevention and Control 3.0
- HLTH 322    Environmental Health 3.0
- HLTH 330    Principles and Practices of Health Promotion 3.0
- HLTH 335    Health Behavior Change 3.0
- HLTH 345    Principles of Epidemiology 3.0
- HLTH 434    Evaluation Methods 3.0
- HLTH 439    Program Planning 3.0
- HLTH 447    Introduction to Biostatistics 3.0

**REQUIREMENT 2.** Complete 1 course:

- HLTH 310    Chronic Diseases: Prevention and Control 3.0
- HLTH 314    Health Disease and Their Determinants, Part I 3.0

**REQUIREMENT 3.** Complete 1 course:

- HLTH 311    Infectious Diseases: Prevention and Control 3.0
- HLTH 315    Health Disease and Their Determinants, Part 2 3.0

**REQUIREMENT 4.** Complete 7 courses:

- HLTH 312    Introduction to Planning, Interventions and Evaluation 3.0
- HLTH 313    Introduction to Data Collection and Analysis 3.0
- HLTH 316    Influencing Health through Health Systems and Policy 3.0
- HLTH 423    Public Health and Primary Care 3.0
- HLTH 425    Working with Vulnerable and Diverse Populations 3.0
- HLTH 440    Introduction to Statistical Computing in Epidemiology 3.0
- HLTH 447    Introduction to Biostatistics 3.0

**REQUIREMENT 2.5.** Complete 1 option

**OPTION 2.1-5.1** Complete 3.0 hours from the following course(s)

- HLTH 496R Academic Internship: Health Science 9.0v 3.0

Note 1: Prior to taking Hlth 496R, the student must complete Hlth 100, 310, 330, 434, and 439 210, 313, 314, 315, 316, 423, 425 with a C- grade or higher.

Note 2: Internships may have a combination of mentored experience in public health practice or health service/health care setting, experience, research, and/or humanitarian service elements.
Note 3: Complete three credit hours (42 contact hours required per credit hour) of the following:

REQUIREMENT 3. Complete 1 option
Complete one of the following chemistry options:

OPTION 3.1 Complete 3 courses
Option 1:
CHEM 105 - General College Chemistry 1 with Lab (Integrated) 4.0
CHEM 106 - General College Chemistry 2 3.0
CHEM 107 - General College Chemistry Laboratory 1.0

OPTION 3.2 Complete 3 courses
Option 2:
CHEM 111 - Principles of Chemistry 1 4.0
CHEM 112 - Principles of Chemistry 2 3.0
CHEM 113 - Introductory General Chemistry Laboratory 2.0

REQUIREMENT 4. Complete 3 courses
Note: Must take 2 credit hours of Chem 353 if pre-professional.
CHEM 351 - Organic Chemistry 1 3.0
CHEM 352 - Organic Chemistry 2 3.0
CHEM 353 - Organic Chemistry Laboratory--Nonmajors 2.0

REQUIREMENT 5. Complete 3 courses
MMBIO 240 - Molecular Biology 3.0
MMBIO 241 - Molecular and Cellular Biology Laboratory 1.0
PDBIO 120 - Science of Biology 3.0

REQUIREMENT 6. Complete 2 options
OPTION 6.1 Complete 1 course
PDBIO 210 - Human Anatomy (with virtual lab) 3.0
PDBIO 220 - Human Anatomy (with lab) 3.0

OPTION 6.2 Complete 1 course
PDBIO 305 - Human Physiology 4.0

REQUIREMENT 7. Complete 1 option
Complete one of the following physics options:

OPTION 7.1 Complete 2 courses
Option 1:
PHSCS 105 - General Physics 1 3.0
PHSCS 107 - General Physics Lab 1 1.0

OPTION 7.2 Complete 2 courses
Option 2:
PHSCS 107 - General Physics Lab 1 1.0
PHSCS 121 - Introduction to Newtonian Mechanics 3.0
REQUIREMENT 6. Complete 1 course
HLTH 322 Environmental Health 3.0
HLTH 324 Occupational Health and Safety 3.0
HLTH 335 Health Behavior Change 3.0
HLTH 345 Principles of Epidemiology
HLTH 403R Special Topics
HLTH 466 Health and the Aging Process 3.0
HLTH 481 Applied International Health 3.0
HLTH 482 Medical Geography 3.0
HLTH 492R Directed Public Health Readings 3.0

REQUIREMENT 7. Complete 24.0 hours from the following course(s):
CHEM 105 General College Chemistry 1 with Lab (Integrated) 4.0
CHEM 106 General College Chemistry 2 3.0
CHEM 107 General College Chemistry Laboratory 1.0
CHEM 351 Organic Chemistry 1 3.0
CHEM 352 Organic Chemistry 2 3.0
CHEM 353 Organic Chemistry Laboratory--Nonmajors 2.0v
CHEM 481M Biochemistry--Majors 3.0
GEOG 310 Introduction to Urban and Regional Planning 3.0
MMBIO 121 Health and Disease 2.0
MMBIO 221 General Microbiology 3.0
MMBIO 222 General Microbiology Lab 1.0
MMBIO 240 Molecular Biology 3.0
MMBIO 241 Molecular and Cellular Biology Laboratory 1.0
MMBIO 261 Infection and Immunity 3.0
NDFS 100 Essentials of Human Nutrition 3.0
PDBIO 120 Science of Biology 3.0
PDBIO 220 Human Anatomy with virtual lab 3.0
PDBIO 220 Human Anatomy (with lab) 3.0
PDBIO 305 Human Physiology 4.0
PDBIO 365 Pathophysiology 4.0
PWS 340 Genetics 3.0

RECOMMENDED

MCAT Prep Course (if taking MCAT)
CHEM 481M Biochemistry—Majors 3.0
HLTH 481 Applied International Health 3.0v
HLTH 492R Directed Public Health Readings 3.0v
MATH 112 Calculus 1 4.0
PDBIO 325 Tissue Biology (with lab) 3.0
PDBIO 360 Cell Biology 3.0
PDBIO 362 Advanced Physiology 3.0
PDBIO 363 Advanced Physiology Laboratory 1.0
PDBIO 365 Pathophysiology 4.0
PHSCS 105 General Physics 1 3.0
PHSCS 106 General Physics 2 3.0
PHSCS 107 General Physics Lab 1 1.0
PHSCS 108 General Physics Lab 2 1.0
PWS 340 Genetics 3.0
STAT 121 Principles of Statistics 3.0