

PUBLIC HEALTH - BS, NON-INTERNSHIP TRACK

Public Health professionals with a Bachelor of Science in Public Health-Non-Internship Track (BSPH-PHN) are prepared to:

- understand the context and impact of public health history and ethics on the nation's health.
- determine the scope and influential factors for public health challenges and how they impact individuals and communities.
- assess community health needs and develop strategies to positively impact quality of health.
- communicate to individuals, communities, and other stakeholders about public health challenges and opportunities with cultural competence.
- function in a variety of government and private health agencies, clinical settings, nonprofit organizations, volunteer agencies, and other community organizations as a public health advocate.

The BSPH-PHN program is based on a philosophy of health promotion and disease prevention, to improve the quality of life of individuals, families and communities through education and program intervention. The BSPH-PHN discipline focuses on four areas:

1. the multiple determinants of health, including biological, environmental, sociocultural, health service, and economic factors;
2. identification of scientific data, tools of informatics, and other information for identifying factors that both foster and hinder the health and well-being of individuals and communities;
3. addressing major local, state, national, and global health challenges; and
4. designing public health approaches and interventions that improve health outcomes, population health, and well-being.

The Bachelor of Science in Public Health-Non-Internship Track is more than a means to produce ready public health practitioners. The curriculum for the BSPH-PHN can complement or enrich a traditional biology-based pre-health professions degree plan for students intending further education in medicine, nursing, occupational therapy, physician's assistant, physical therapist, and other allied health professions.

The Bachelor of Science in Public Health-Non-Internship Track is approved to be offered at the Texas A&M Higher Education Center in McAllen, Texas.

The coursework for this program will qualify students to be able to sit for the Certified Health Education Specialist (CHES (<https://www.nchec.org/ches/>)) exam.

Program Requirements

First Year

Fall		Semester Credit Hours
BIOL 111	Introductory Biology I	4
Select one of the following:		3
COMM 203	Public Speaking	
COMM 205	Communication for Technical Professions	

COMM 243	Argumentation and Debate	
ENGL 103 or ENGL 104	Introduction to Rhetoric and Composition ¹ or Composition and Rhetoric	
ENGL 203	Writing about Literature	
ENGL 210	Technical and Professional Writing	
Select one of the following:		3
MATH 140	Mathematics for Business and Social Sciences	
MATH 142	Business Calculus	
MATH 147	Calculus I for Biological Sciences	
MATH 148	Calculus II for Biological Sciences	
MATH 151	Engineering Mathematics I	
MATH 152	Engineering Mathematics II	
MATH 168	Finite Mathematics	
MATH 171	Calculus I	
MATH 172	Calculus II	
PHIL 240	Introduction to Logic	
STAT 201	Elementary Statistical Inference	
Social and behavioral sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences)		3

Semester Credit Hours

13

Spring

BIOL 112	Introductory Biology II	4
Select one of the following:		3
COMM 203	Public Speaking	
COMM 205	Communication for Technical Professions	
COMM 243	Argumentation and Debate	
ENGL 103 or ENGL 104	Introduction to Rhetoric and Composition ¹ or Composition and Rhetoric	
ENGL 203	Writing about Literature	
ENGL 210	Technical and Professional Writing	
Select one of the following:		3
MATH 140	Mathematics for Business and Social Sciences	
MATH 142	Business Calculus	
MATH 147	Calculus I for Biological Sciences	
MATH 148	Calculus II for Biological Sciences	
MATH 151	Engineering Mathematics I	
MATH 152	Engineering Mathematics II	
MATH 168	Finite Mathematics	
MATH 171	Calculus I	
MATH 172	Calculus II	
PHIL 240	Introduction to Logic	
STAT 201	Elementary Statistical Inference	
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)		3

Semester Credit Hours

13

Second Year

Fall		
CHEM 119	Fundamentals of Chemistry I	4

POLS 206	American National Government	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
General electives ²		6

Semester Credit Hours 16

Spring

POLS 207	State and Local Government	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)		3
General electives ²		6

Semester Credit Hours 15

Third Year

Fall

PHLT 302	Foundations of Public Health ³	3
PHLT 303	Social Context of Population Health ³	3
PHLT 304	Biological Basis of Public Health Diseases & Disorders ³	3
PHLT 310	Public Health Writing ³	1
PHLT 313	Health Care and Public Health System ³	3
PHLT 316	Public Health Data Management and Assessment ³	3

Semester Credit Hours 16

Spring

PHLT 305	Epidemiology in Public Health ³	3
PHLT 311	Narrative Approach to Public Health ³	1
PHLT 336	Health Disparities and Diversity in Society ³	3
PHLT 411	Project Management in Public Health ³	3
PHLT 412	Health Advocacy and Policy ³	3
Directed electives ^{3,4}		3

Semester Credit Hours 16

Fourth Year

Fall

PHLT 330	The Environment and Public Health ³	3
PHLT 410	Public Health Communication ³	3
PHLT 441	Strategies for Population Health Improvement ³	3
Directed electives ^{3,4}		6

Semester Credit Hours 15

Spring

PHLT 307	Public Health in the Global Context ³	3
PHLT 445	Applications of Public Health ³	3
PHLT 481	Seminar ³	1
Directed electives ^{3,4}		9

Semester Credit Hours 16

Total Semester Credit Hours 120

¹ Cannot use both ENGL 103 and ENGL 104.

² Chosen in consultation with BSPH academic advisor.

³ Must make a grade of C or better.

⁴ A list of approved courses that fulfill the directed elective hours is available below. Courses that constitute the major are those offered by the School of Public Health and those approved for public health studies electives. Additional courses may be available. Students must check with their academic advisor.

Directed Electives

Public Health (PHLT) directed electives are courses that are specifically approved for the curriculum. A student must select 18 semester credit hours from the following list of approved courses in consultation with their academic advisor. Directed Electives must have a letter grade of C or better.

Code	Title	Semester Credit Hours
ACCT 209	Survey of Accounting Principles	3
BESC 314	Pathogens, the Environment and Society	3
BESC 401	Bioenvironmental Microbiology	3
BICH 303	Elements of Biological Chemistry	3
BICH 410	Comprehensive Biochemistry I	3
BICH 411	Comprehensive Biochemistry II	3
BICH 412	Biochemistry Laboratory I	1
BIOL 206	Introductory Microbiology	4
BIOL 319	Integrated Human Anatomy and Physiology I	4
BIOL 320	Integrated Human Anatomy and Physiology II	4
BIOL 351	Fundamentals of Microbiology	4
CHEM 120	Fundamentals of Chemistry II	4
CHEM 227	Organic Chemistry I	3
CHEM 228	Organic Chemistry II	3
CHEM 237	Organic Chemistry Laboratory	1
CHEM 238	Organic Chemistry Laboratory	1
ENTO 210	Global Public Health Entomology	3
ENTO 423	Medical Entomology	2
ENTO 427	Medical Entomology Laboratory	1
ENTO 431/ FIVS 431	The Science of Forensic Entomology	3
ENTO 432/ FIVS 432	Applied Forensic Entomology	1
FINC 409	Survey of Finance Principles	3
GENE 301	Comprehensive Genetics	3
GENE 302	Principles of Genetics	3
GENE 310	Principles of Heredity	3
GENE 312	Comprehensive Genetics Laboratory	1
GENE 314	Principles of Genetics Laboratory	1
GENE 320/ BIMS 320	Biomedical Genetics	3
HLTH 210	Introduction to the Discipline	3
HLTH 221	Safety	3
HLTH 231	Healthy Lifestyles	3

HLTH 240	Computer Technology in Health and Kinesiology	3	PHLT 470	Global Public Health Systems and Practice Experiences	1-3
HLTH 331	Community Health	3	PHLT 485	Directed Studies	1-4
HLTH 334	Women's Health	3	PHLT 489	Special Topics In...	1-4
HLTH 342/ PHLT 342	Human Sexuality	3	PHLT 491	Research	0-4
HLTH 335	Human Diseases	3	PHYS 201	College Physics	4
HLTH 353/ PHLT 353	Drugs and Society	3	PHYS 202	College Physics	4
HLTH 354/ PHLT 354	Medical Terminology for the Health Professions	3	STAT 301	Introduction to Biometry	3
HLTH 403/ PHLT 403	Consumer Health	3	STAT 302	Statistical Methods	3
HLTH 405/ PHLT 405	Rural Health	3	STAT 303	Statistical Methods	3
HLTH 410	Worksite Health Promotion	3	URPN 370	Health Systems Planning	3
HLTH 429	Environmental Health	3	URPN 371	Environmental Health Planning and Policy	3
NUTR 202	Fundamentals of Human Nutrition	3	VIBS 407/ NRSC 407	Core Ideas in Neuroscience	2
NUTR 222	Nutrition for Health and Health Care	3	VTPB 221	Great Diseases of the World	3
NUTR 320/ FSTC 320	Understanding Obesity - A Social and Scientific Challenge	3	VTPB 409	Introduction to Immunology	3
PBSI 225	Lifespan Development	3	VTPP 425	Pharmacology	3
PBSI 235	Introduction to Behavioral and Cognitive Neuroscience	3			
PBSI 306	Psychological Disorders	3			
PBSI 307	Developmental Psychology	3			
PHIL 111	Contemporary Moral Issues	3			
PHIL 251	Introduction to Philosophy	3			
PHIL 480	Medical Ethics	3			
PHLT 301	Public Health Concepts	1			
PHLT 306	Border Health	3			
PHLT 308	Comparative Global Health Systems	3			
PHLT 331	Occupational Safety and Health I	3			
PHLT 332	Occupational Safety and Health II	3			
PHLT 333	Accident Investigation	3			
PHLT 334	Fire Safety and Workplace Hazards	3			
PHLT 335	Hazardous Materials	3			
PHLT 370	Broad Street Learning Community II	3			
PHLT 413	Public Health Informatics	3			
PHLT 414	Applications of Epidemiology in Public Health	3			
PHLT 415	Emergency Management in Public Health	3			
PHLT 416	Public Health Leadership and Ethics	3			
PHLT 426/ MKTG 443	The Business of Healthcare	3			
PHLT 432	Human Factors and Ergonomic Health and Safety	3			
PHLT 433	Industrial Inspections and Audit Techniques	3			
PHLT 434	Project Cost Benefit and Economics	3			
PHLT 436	Infectious Disease in the Developing World: Risks, Challenges, and Solutions	3			

Approval of degree plan does not guarantee access to courses. Students must satisfy prerequisites, and some course (writing intensive classes included) are available to majors only. It is the responsibility of the student to ascertain whether there are any restrictions or prerequisites for courses in their degree plan.