

# PUBLIC HEALTH - BS, INTERNSHIP TRACK

Public Health professionals with a Bachelor of Science in Public Health-Internship Track (BSPH-PHI) 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 and public 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 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 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 BS Public Health-Internship Track is unique in that it offers a wide range of approved electives permitting the student to develop a program according to the student's needs and interests. A student can complement or enrich a pre-health professions degree plan for students intending further education in nursing, occupational therapy, and some additional health professions.

The Bachelor of Science in Public Health-Internship Track degree is more than a means to produce ready public health practitioners. The curriculum for the BSPH-PHI exposes a student to pre-professional training through a non-paid, full semester internship during the final semester. This experience provides the student with on-the-job training and employment opportunities. This internship track places students in a setting which best fits their professional goals.

The Internship Track is not available for students wanting to pursue a BSPH 3+2 program.

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		Semester
Fall		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 <sup>1</sup> 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 ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences</a> )		3
		<b>Semester Credit Hours 13</b>
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 <sup>1</sup> 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 ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> )		3
General electives <sup>2</sup>		3
<b>Semester Credit Hours</b>		<b>16</b>

**Second Year****Fall**

CHEM 119	Fundamentals of Chemistry I	4
POLS 206	American National Government	3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
General electives <sup>2</sup>		6
<b>Semester Credit Hours</b>		<b>16</b>

**Spring**

POLS 207	State and Local Government	3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> )		3
General electives <sup>2</sup>		6
<b>Semester Credit Hours</b>		<b>15</b>

**Third Year****Fall**

PHLT 302	Foundations of Public Health <sup>3</sup>	3
PHLT 303	Social Context of Population Health <sup>3</sup>	3
PHLT 304	Biological Basis of Public Health Diseases & Disorders <sup>3</sup>	3
PHLT 310	Public Health Writing <sup>3</sup>	1
PHLT 313	Health Care and Public Health System <sup>3</sup>	3
PHLT 316	Public Health Data Management and Assessment <sup>3</sup>	3
<b>Semester Credit Hours</b>		<b>16</b>

**Spring**

PHLT 305	Epidemiology in Public Health <sup>3</sup>	3
PHLT 311	Narrative Approach to Public Health <sup>3</sup>	1
PHLT 322	Concepts in Health Education <sup>3</sup>	3
PHLT 336	Health Disparities and Diversity in Society <sup>3</sup>	3
PHLT 412	Health Advocacy and Policy <sup>3</sup>	3
Directed electives <sup>3,4</sup>		3
<b>Semester Credit Hours</b>		<b>16</b>

**Fourth Year****Fall**

PHLT 330	The Environment and Public Health <sup>3</sup>	3
PHLT 307	Public Health in the Global Context <sup>3</sup>	3
PHLT 410	Public Health Communication <sup>3</sup>	3
PHLT 420/ HLTH 415	Health Education Methodology <sup>3</sup>	3

PHLT 425/ HLTH 425	Health Program Evaluation <sup>3</sup>	3
PHLT 481	Seminar <sup>3</sup>	1
<b>Semester Credit Hours</b>		<b>16</b>
<b>Spring</b>		
PHLT 484	Internship <sup>3</sup>	12
<b>Semester Credit Hours</b>		<b>12</b>
<b>Total Semester Credit Hours</b>		<b>120</b>

<sup>1</sup> Cannot use both ENGL 103 and ENGL 104.

<sup>2</sup> Chosen in consultation with BSPH academic advisor.

<sup>3</sup> Must make a grade of C or better.

<sup>4</sup> 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 3 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	PHLT 415	Emergency Management in Public Health	3
GENE 310	Principles of Heredity	3	PHLT 416	Public Health Leadership and Ethics	3
GENE 312	Comprehensive Genetics Laboratory	1	PHLT 426/ MKTG 443	The Business of Healthcare	3
GENE 314	Principles of Genetics Laboratory	1	PHLT 432	Human Factors and Ergonomic Health and Safety	3
GENE 320/ BIMS 320	Biomedical Genetics	3	PHLT 433	Industrial Inspections and Audit Techniques	3
HLTH 210	Introduction to the Discipline	3	PHLT 434	Project Cost Benefit and Economics	3
HLTH 221	Safety	3	PHLT 436	Infectious Disease in the Developing World: Risks, Challenges, and Solutions	3
HLTH 231	Healthy Lifestyles	3	PHLT 470	Global Public Health Systems and Practice Experiences	1-3
HLTH 240	Computer Technology in Health and Kinesiology	3	PHLT 485	Directed Studies	1-4
HLTH 331	Community Health	3	PHLT 489	Special Topics In...	1-4
HLTH 334	Women's Health	3	PHLT 491	Research	0-4
HLTH 335	Human Diseases	3	PHYS 201	College Physics	4
HLTH 342/ PHLT 342	Human Sexuality	3	PHYS 202	College Physics	4
HLTH 353/ PHLT 353	Drugs and Society	3	STAT 301	Introduction to Biometry	3
HLTH 354/ PHLT 354	Medical Terminology for the Health Professions	3	STAT 302	Statistical Methods	3
HLTH 403/ PHLT 403	Consumer Health	3	STAT 303	Statistical Methods	3
HLTH 405/ PHLT 405	Rural Health	3	URPN 370	Health Systems Planning	3
HLTH 410	Worksite Health Promotion	3	URPN 371	Environmental Health Planning and Policy	3
HLTH 429	Environmental Health	3	VIBS 407/ NRSC 407	Core Ideas in Neuroscience	2
HLTH 481	Seminar in Allied Health	1	VTPB 221	Great Diseases of the World	3
HLTH 482	Grant Writing in Health	1	VTPB 409	Introduction to Immunology	3
NUTR 202	Fundamentals of Human Nutrition	3	VTPP 425	Pharmacology	3
NUTR 222	Nutrition for Health and Health Care	3			
NUTR 320/ FSTC 320	Understanding Obesity - A Social and Scientific Challenge	3			
PBSI 225	Lifespan Development	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			

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.