

PUBLIC HEALTH - BS

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 104	Composition and Rhetoric	
ENGL 203	Writing about Literature	
ENGL 210	Technical and Professional Writing	
PERF 407	Performing Literature	
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	
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 104	Composition and Rhetoric	
ENGL 203	Writing about Literature	
ENGL 210	Technical and Professional Writing	
PERF 407	Performing Literature	
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	
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)		3
Semester Credit Hours		13
Second Year		
Fall		
POLS 206	American National Government	3
CHEM 119	Fundamentals of Chemistry I	4
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
General electives ¹		6
Semester Credit Hours		16
Spring		
POLS 207	State and Local Government	3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)		3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
General electives ¹		6
Semester Credit Hours		15
Third Year		
Fall		
PHLT 302	Foundations of Public Health	3
PHLT 303	Social Context of Population Health	3
PHLT 304	Biological Basis of Public Health	3
PHLT 310	Public Health Writing	1
PHLT 313	Health Care and Public Health System	3
PHLT 314	Public Health Data Management and Assessment I	2
Semester Credit Hours		15
Spring		
PHLT 305	Epidemiology in Public Health	3
PHLT 309	Population Health Promotion	3
PHLT 311	Narrative Approach to Public Health	1
PHLT 330	The Environment and Public Health	3
PHLT 412	Health Advocacy and Policy	3
PHLT 315	Public Health Data Management and Assessment II	2
Semester Credit Hours		15
Fourth Year		
Fall		
PHLT 410	Public Health Communication	3
PHLT 411	Project Management in Public Health	3
PHLT 441	Strategies for Population Health Improvement	3
BSPH Directed Electives ²		
Select 9 hours from the following:		9
BESC 314	Pathogens, the Environment and Society	
BESC 367	U.S. Environmental Regulations	

BESC 401	Bioenvironmental Microbiology
BICH 410	Comprehensive Biochemistry I
BICH 411	Comprehensive Biochemistry II
BICH 412	Biochemistry Laboratory I
CHEM 227	Organic Chemistry I
CHEM 237	Organic Chemistry Laboratory
CHEM 228	Organic Chemistry II
CHEM 238	Organic Chemistry Laboratory
ENTO 210	Global Public Health Entomology
ENTO 423	Medical Entomology
ENTO 431/ FIVS 431	The Science of Forensic Entomology
ENTO 432/ FIVS 432	Applied Forensic Entomology
GENE 301	Comprehensive Genetics
GENE 312	Comprehensive Genetics Laboratory
GENE 320/ BIMS 320	Biomedical Genetics
PHLT 306	Border Health
PHLT 308	Comparative Global Health Systems
PHLT 331	Occupational Safety and Health I
PHLT 332	Occupational Safety and Health II
PHLT 333	Accident Investigation
PHLT 334	Fire Safety and Workplace Hazards
PHLT 335	Hazardous Materials
PHLT 413	Public Health Informatics
PHLT 414	Applications of Epidemiology in Public Health
PHLT 416	Public Health Leadership and Ethics
PHLT 432	Human Factors and Ergonomic Health and Safety
PHLT 433	Industrial Inspections and Audit Techniques
PHLT 434	Project Cost Benefit and Economics
PHLT 484	Public Health Studies Field Experience
PHLT 485	Directed Studies
PHLT 489	Special Topics In...
PHLT 491	Research
URPN 370	Health Systems Planning
URPN 371	Environmental Health Planning and Policy
VIBS 401	Developmental Neurotoxicology
VIBS 407/ NRSC 407	Core Ideas in Neuroscience
VIBS 413	Introduction to Epidemiology
VIBS 420	Computer Applications in Public Health Research
VTPB 408	Clinical Microbiology
VTPB 409	Introduction to Immunology
VTPB 438	Biomedical Virology
VTPB 487/ BIOL 487	Biomedical Parasitology

Semester Credit Hours

18

Spring

PHLT 307	Public Health in the Global Context	3
PHLT 415	Emergency Management in Public Health	3
PHLT 445	Applications of Public Health	3
BSPH Directed Electives ²		
Select 6 hours from the following:		6
BESC 314	Pathogens, the Environment and Society	
BESC 367	U.S. Environmental Regulations	
BESC 401	Bioenvironmental Microbiology	
BICH 410	Comprehensive Biochemistry I	
BICH 411	Comprehensive Biochemistry II	
BICH 412	Biochemistry Laboratory I	
CHEM 227	Organic Chemistry I	
CHEM 237	Organic Chemistry Laboratory	
CHEM 228	Organic Chemistry II	
CHEM 238	Organic Chemistry Laboratory	
ENTO 210	Global Public Health Entomology	
ENTO 423	Medical Entomology	
ENTO 431/ FIVS 431	The Science of Forensic Entomology	
ENTO 432/ FIVS 432	Applied Forensic Entomology	
GENE 301	Comprehensive Genetics	
GENE 312	Comprehensive Genetics Laboratory	
GENE 320/ BIMS 320	Biomedical Genetics	
PHLT 333	Accident Investigation	
PHLT 306	Border Health	
PHLT 308	Comparative Global Health Systems	
PHLT 331	Occupational Safety and Health I	
PHLT 332	Occupational Safety and Health II	
PHLT 333	Accident Investigation	
PHLT 334	Fire Safety and Workplace Hazards	
PHLT 335	Hazardous Materials	
PHLT 413	Public Health Informatics	
PHLT 414	Applications of Epidemiology in Public Health	
PHLT 416	Public Health Leadership and Ethics	
PHLT 432	Human Factors and Ergonomic Health and Safety	
PHLT 485	Directed Studies	
PHLT 433	Industrial Inspections and Audit Techniques	
PHLT 434	Project Cost Benefit and Economics	
PHLT 484	Public Health Studies Field Experience	
PHLT 485	Directed Studies	
PHLT 489	Special Topics In...	
PHLT 491	Research	
URPN 370	Health Systems Planning	
URPN 371	Environmental Health Planning and Policy	
VIBS 401	Developmental Neurotoxicology	
VIBS 407/ NRSC 407	Core Ideas in Neuroscience	

VIBS 413	Introduction to Epidemiology
VIBS 420	Computer Applications in Public Health Research
VTPB 408	Clinical Microbiology
VTPB 409	Introduction to Immunology
VTPB 438	Biomedical Virology
VTPB 487/ BIOL 487	Biomedical Parasitology
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Semester Credit Hours	
15	
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Total Semester Credit Hours	
120	

¹ Chosen in consultation with BSPH academic advisor.

² BSPH Directed Electives: 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.

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.