

PUBLIC HEALTH - 5-YEAR BACHELOR OF SCIENCE AND MASTER OF PUBLIC HEALTH IN OCCUPATIONAL SAFETY AND HEALTH

The 3+2 Bachelor of Science in Public Health and Masters in Public Health in Occupational Safety and Health is more than a means to produce next-level OSH experts. It will deliver a graduate who can not only immediately impact workplace health and safety, but also deliver someone with a well-rounded understanding of the specific roles that Occupational Safety and Health play in medicine, nursing, population health and other health professions.

The undergraduate component of the 3+2 program is based on a philosophy of workplace health promotion and proactive prevention of illness to improve the quality of life of individuals, employees, families and communities. The graduate MPH component is a non-thesis degree program with culminating experiences as part of the degree requirements. Students will participate in a practicum demonstrating overall public health problem solving skills and complete a rigorous capstone class.

Program Requirement

The following is a suggested schedule that includes the required courses for the combined BS/MPH in Public Health-Occupational Safety and Health. It is recognized that many students will change the sequence and number of courses taken in any semester. Deviations from the prescribed course sequence, however, should be made with care to ensure that prerequisites for all courses are met.

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 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 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	Semester Credit Hours	
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 ¹		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 ¹		6

Semester Credit Hours

15

Third Year

Fall	Semester Credit Hours	
PHLT 302	Foundations of Public Health	3
PHLT 303	Social Context of Population Health	3

PHLT 304	Biological Basis of Public Health	3	SOPH 680	Public Health Capstone ²	3
PHLT 310	Public Health Writing	1	PHEO Elective ³		3
PHLT 313	Health Care and Public Health System	3	Semester Credit Hours		12
PHLT 314	Public Health Data Management and Assessment I	2	Total Semester Credit Hours		150
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 315	Public Health Data Management and Assessment II	2			
PHLT 330	The Environment and Public Health	3			
PHLT 412	Health Advocacy and Policy	3			
Semester Credit Hours		15			
Fourth Year					
Fall					
PHEO 678	Occupational Biomechanics	3			
PHLT 411	Project Management in Public Health	3			
PHLT 441	Strategies for Population Health Improvement	3			
SOPH 601	Thinking in Populations: The Public Health Mindset ²	2			
SOPH 602	Investigation and Control: Acute Public Health Events ²	3			
SOPH 603	Assessment and Intervention: Wicked Problems in Public Health ²	3			
Semester Credit Hours		17			
Spring					
PHEO 640	Industrial Hygiene	3			
PHEO 655	Human Factors	3			
PHEO 679	Ergonomics of the Upper Extremities	3			
PHLT 410	Public Health Communication	3			
PHLT 445	Applications of Public Health	3			
SOPH 604	Framing and Persuasion: Public Health in the Public Sphere ²	1			
Semester Credit Hours		16			
Summer					
PHEO 684	Practicum ²	3			
Semester Credit Hours		3			
Fifth Year					
Fall					
PHEO 618	Occupational Safety	3			
PHEO 630	Environmental/Occupational Diseases	3			
PHEO 682	Industrial and System Safety	3			
PHEO 689	Special Topics In Environmental And Occupational Health	3			
PHLT 307	Public Health in the Global Context	3			
Semester Credit Hours		15			
Spring					
PHEO 645	Health and Safety at Hazardous Waste Sites	3			
PHLT 415	Emergency Management in Public Health	3			

¹ Chosen in consultation with BSPH academic advisor. Select from any 100-499 course.

² These 15 hours will be used towards both the BS and MPH degree in Public Health.

³ Elective options: courses from PHEO or other SPH departments may be taken. For courses outside SPH, please get approval from the departmental advisor.

The program includes a total of 165 hours which up to 15 hours may be applied toward both the Bachelor of Science in Public Health and the Master of Public Health in Occupational Safety and Health.

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.