

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
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 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

SOPH 680	Public Health Capstone ²	3
PHEO Elective ³		3
Semester Credit Hours		12
Total Semester Credit Hours		150

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.