

Fay W. Boozman College of Public Health
MPH Concentration in Environmental Health Sciences (EHS)

Program Director: En Huang
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Advisee's Name

Student ID Number

Faculty Advisor

	Completion Date
ACADEMIC INTEGRITY TRAINING	
Certification Test	
WRITING MILESTONE	
Skills Certification	
QR MILESTONE	
QR Skills Assessment	
IPE CURRICULUM	
Exposure Workshop	
Bridge Transition	
Quadruple Aim Project	
Simulation Activity	
Competency Workshop	
Required Practice Activity	
Student Educator Activity	

Academic Integrity Training Requirement: All students in the COPH must adhere to the highest standards of professional and ethical conduct. Among these standards is the recognition that student written work must be original and appropriately cited. In order to facilitate understanding of this standard, all students must complete the on-line course “*How to Recognize Plagiarism: Tutorials*” at <https://plagiarism.iu.edu/tutorials/> and complete the Certification Test at <https://plagiarism.iu.edu/certificationTests/index.html>. Upon successful completion of the test, students must provide a copy of the Validation Certificate to the COPH Office of Student and Alumni Affairs at cophoffice@uams.edu. The requirement must be completed by the first day of classes. Requirement approval date: 09.02.2020.

Writing Milestone Requirement: All students who enter the College of Public Health are required to complete a Writing Skills Assessment at the beginning of their first semester. The Assessment will identify strengths and weaknesses and highlight opportunities for improvement. Students who do not meet a predetermined score will be required to complete an online PBHL 50000 Public Health Writing Workshop course. This course will address the fundamentals of good writing, writing with scholarly sources, revision strategies, and other topics in the interest of improving student writing skills. This is a non-credit curriculum requirement. Requirement approval date: 09.02.2020.

Quantitative Reasoning (QR) Milestone Requirement: Effective Fall 2022, all MPH students who enter the College of Public Health are required to complete a QR Skills Assessment at the beginning of their first semester. The QR Assessment will identify strengths and weaknesses and highlight opportunities for improvement. Students who do not meet a predetermined score will be required to complete an online Public Health QR Workshop course. This course will address the fundamentals of pre-algebra, algebra, and other topics in the interest of improving student QR skills. This is a non-credit curriculum requirement. Requirement approval date: 02.02.2022.

Biology Competency Requirement: Students are required to pass all 3 exams or successfully complete (3) 1 credit hour courses prior to or within the first semester of coursework. Courses do NOT count toward the minimum 42 credit hours for the MPH degree. For more information and waiver options visit our website: <http://publichealth.uams.edu/students/current-students/public-health-biology-competency-exam/>.

IPE Curriculum Requirement: All COPH degree-seeking students are required to complete the UAMS Quadruple Aim Interprofessional Education (IPE) Program prior to graduation. According to the World Health Organization (WHO), “*Interprofessional Education occurs when two or more professions learn with, from and about each other to improve collaboration and the quality of care.*” The IPE Program is noncredit hour earning and consists of several workshops and other activities. All aspects of the IPE Program must be completed prior to degree program completion as a condition of graduation. For more information on IPE, please consult the Office of Student and Alumni Affairs, the Associate Dean for Student and Alumni Affairs or visit our website: <https://secure.uams.edu/cophstudent/student-handbook.aspx#ipe>. Requirement approval date: 2015.

IPE CURRICULUM FOR THE MPH			
<p>1. IPE IPEC 1101 (001) EXPOSURE WORKSHOP* Format/Event: LIVE Exposure Workshop in August. Timeline: 1st semester. Course Association: NA Notes: Enroll 1st semester and complete by the end of 12th credit hour. Your IPE Program Contact will determine what date you attend.</p>	<p>2. IPE IPEC 1201 (001) EXPOSURE BRIDGE TRANSITION* Format/Event: Any onsite Exposure Bridge Transition event posted on the IPE website. Timeline: 1st semester Course Association: NA Notes: Enroll 1st semester. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity. Complete by the end of 12th credit hour.</p>	<p>3. IPE IPEC 1301 (001) IMMERSION QUADRUPLE AIM PROJECT (QAP) WORKSHOP Format/Event: Any QAP Workshop event posted on the IPE website. Timeline: 12th–24th credit hour Course Association: NA Notes: Enroll the semester of your 12th credit hour.</p>	<p>4. IPE IPEC 1401 (001) IMMERSION SIMULATION Format/Event: Any onsite Immersion Simulation event posted on the IPE website. Timeline: 12th–36th credit hour Course Association: NA Notes: Enroll the semester of your 12th credit hour.</p>
<p>5. IPE IPEC 1501 (001) COMPETENCE WORKSHOP* Format/Event: Any onsite Competence Workshop event posted on the IPE website. Timeline: 24th credit hour and completion of degree Course Association: NA Notes: Enroll the semester of your 24th credit hour.</p>	<p>6. IPE IPEC 1601 (001) COMPETENCE PRACTICE ACTIVITY Format/Event: Onsite Competence Practice Activity — APE course Timeline: 24th credit hour and completion of degree Course Association: PBHL 59893 “Applied Practice Experience” (APE). This IPE activity is an assignment for the course. Notes: Enroll the semester of your 24th credit hour. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.</p>	<p>7. IPE IPEC 1701 (001) COMPETENCE STUDENT EDUCATOR ACTIVITY Format/Event: Onsite Student Educator Activity — ILE course Timeline: 24th credit hour and completion of degree Course Association: PBHL 59932 “Integrative Learning Experience Project” (ILE). This IPE activity is an assignment for the course. Notes: Enroll the semester of your 24th credit hour. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.</p>	<p>*You may be eligible to complete the activity as an online module if you are currently working in a clinical healthcare setting. Please contact ipe@uams.edu for more information.</p> <p>Note: For onsite versus online/distance options as approved events please verify with your program coordinator first. Then ensure you are registered in the correct GUS course for the delivery method (onsite v. online/distance). If you need to switch courses, you must process a course swap in GUS. IPE CURRICULUM 07.01.2022</p>

BIOLOGY COMPETENCY REQUIREMENT (Prerequisite for All MPH Degree Options)

BIOLOGY (REQUIRED)		Credit Hours	Grade	Year	Semester
ENVH 50301	Biology for Public Health: Infectious Disease	1			
ENVH 50101	Biology for Public Health: Chronic Disease	1			
ENVH 50201	Biology for Public Health: Current Issues	1			

COMPLETE THE MPH CORE (All MPH Degree Options)

MPH CORE (REQUIRED) – 18 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL 50033	*Introduction to Public Health	3			
BIOS 50133	Biostatistics I	3			
ENVH 51003	Environmental Health Sciences	3			
HPMT 51033	The Health Care System	3			
HBHE 51043	Health Behavior and Health Education	3			
EPID 51103	Epidemiology I	3			

*See Knowledge Credit for Public Health policy in the CPH Student Handbook.

COMPLETE THE CPH EXAM PREP COURSE

CPH EXAM PREP COURSE (REQUIRED)– 1 Credit Hour		Credit Hours	Grade	Year	Semester
PBHL 59931	Certified in Public Health Exam Prep Seminar	1			

COMPLETE THE EHS CORE

EHS CORE (REQUIRED) – 9 Credit Hours		Credit Hours	Grade	Year	Semester
ENVH 52103	Applied Knowledge in Environmental Health	3			
ENVH 53003	Principles of Toxicology in Public Health	3			
ENVH 54003	Public Health Microbiology	3			

FOLLOW YOUR EHS OPTION

MPH in EHS

COURSES (REQUIRED) FOR MPH IN EHS STUDENTS – 6 Credit Hours		Credit Hours	Grade	Year	Semester
ENVH 53103	Climate Change and Public Health	3			
ENVH 54103	Geographic Information Systems in Public Health	3			
ELECTIVE FOR MPH IN EHS STUDENTS (with approval of the EHS academic advisor) – 3 Credit Hours		Credit Hours	Grade	Year	Semester
		3			

MD/MPH in EHS

SELECTIVES FOR MD/MPH IN EHS STUDENTS (with approval of the EHS academic advisor)– 9 Credit Hours		Credit Hours	Grade	Year	Semester
MODU 8100V	Brain and Behavior	8			
FMED 83104	Family Medicine	4			
MODU 8207V	Medicine Across Generations	4			

MODU 81553 & 81564	Practice of Medicine 1 – Parts 1 & 2	6			
MODU 82554 & 82562	Practice of Medicine 2 – Parts 1 & 2	7			
PEDI 83008	Pediatrics	8			
PSYC 83006	Psychiatry	6			



PharmD/MPH in EHS

SELECTIVES FOR PharmD/MPH IN EHS STUDENTS (with approval of PharmD/EHS advisor) – 9 Credit Hours		Credit Hours	Grade	Year	Semester
PHPR 71032	US Health Care System for Pharmacists	2			
PHPR 73043	EBM and Pharmacoeconomics	3			
PHPR 73102	Death and Dying	2			
PHPR 73262	Infectious Diseases Pharmacotherapy Elective	2			
PHPR 73272	Landmark Studies	2			
PHPR 73332	Leadership	2			
PHPR 73342	Toxicology	2			
PHPR 73372	Infectious Diseases and Stewardship Elective	2			
PHPR 73182	Entrepreneurship	2			
PHPR 73392	Culinary Medicine	2			



JD/MPH in EHS (courses taken at Bowen School of Law, not UAMS)

COURSES (REQUIRED) FOR JD/MPH IN EHS STUDENTS – 3 Credit Hours		Credit Hours	Grade	Year	Semester
LAW 6350	Administrative Law	3			
SELECTIVES FOR JD/MPH IN EHS STUDENTS (with approval of the EHS academic advisor) – 6 Credit Hours		Credit Hours	Grade	Year	Semester
LAW 6235	Advocacy for Policy Makers	3			
LAW 6326	Environmental Law	3			
LAW 6356	Civil Liberties	3			
LAW 6375	Local Government	3			



AUD/MPH in EHS

COURSES (REQUIRED) FOR AUD/MPH IN EHS STUDENTS – 9 Credit Hours		Credit Hours	Grade	Year	Semester
AUDI 72392	Hearing Conservation	2			
AUDI 72383	Gerontology in Audiology	2			
AUDI 83342	Professional Issues & Ethics	2			
AUDI 83373	Audiologic Rehabilitation	3			

COMPLETE THE MPH CAPSTONES (All MPH Degree Options)

PUBLIC HEALTH PRACTICE (REQUIRED) – 5 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL 59893	Applied Practice Experience	3			
	TITLE:				
¹ PBHL 59932	Integrative Learning Experience Project ¹ (May not be taken concurrently with PBHL 59893 Applied Practice Experience)	2			
	TITLE:				

MINIMUM TOTAL HOURS = 42

MPH Concentration: Environmental Health Sciences		
Competency	Course	Assessment
1. Assess potential chemical hazards in the environment and approaches to control them.	ENVH 52103 Applied Knowledge in Environmental Health	Exam. Students have a midterm exam in which they answer questions that require them to identify potential chemical hazards in a given environment, select an appropriate approach to assess or mitigate a potential hazard, or provide evidence that they can apply such an approach. Answers require quantitative work (calculations), qualitative work (demonstration of knowledge), or both. Assessment focuses on whether the student provides the correct answers, and on demonstration of appropriate rationale where applicable. Grading will be performed following the rubric in the course syllabus.
2. Assess potential biological hazards in the environment and approaches to control them.	ENVH 54003 Public Health Microbiology	Exam. Students have one exam in which they answer questions that require them to identify potential biological hazards in a specific environment, select an appropriate approach to assess or mitigate a potential hazard, or provide evidence that they can apply such an approach. Answers require quantitative work (calculations), qualitative work, or both. Assessment focuses on whether the student provides the correct answers, and on demonstration of appropriate rationale where applicable. Grading will be performed following the rubric in the course syllabus.
3. Synthesize and break down the science underlying major public health issues from multiple sources.	ENVH 54003 Public Health Microbiology	Presentation. Students prepare a presentation approximately 10 minutes long in which they summarize a topic related to public health biology. The students are required to synthesize information from a textbook chapter and additional reference material and break it down for their audience. Grading will be performed following the rubric in the course syllabus.
4. Assess major physical hazards in the environment and approaches to control them.	ENVH 52103 Applied Knowledge in Environmental Health	Exam. Students have four quizzes in which they answer questions that require them to identify major potential physical hazards in a given environment, select an appropriate approach to assess or mitigate a potential hazard, and provide evidence that they can apply such an approach. Answers require quantitative work (calculations), qualitative work (demonstration of knowledge), or both. Assessment focuses on whether the student provides the correct answers, and on demonstration of appropriate rationale where applicable. Grading will be performed following the rubric in the course syllabus.
5. Illustrate appropriate use of hazard analysis and risk assessment concepts.	ENVH 53003 Principles of Toxicology in Public Health	Presentation. At the end of the semester, students give a summary presentation in which they illustrate appropriate use of risk assessment concepts based on guidelines and frameworks provided by major regulatory agencies for the evaluation of toxic exposures via air, water, or soil.