

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

Program Director: En Huang  
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Option:

- MPH in EHS
- MD/MPH in EHS
- PharmD/MPH in EHS
- JD/MPH in EHS

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 Advisee's Name

\_\_\_\_\_  
 Student ID Number

\_\_\_\_\_  
 Faculty Advisor

PLAGIARISM TRAINING	Completion Date
Certification Test	
WRITING MILESTONE	
Skills Certification	
IPE EXPOSURE (NOVICE)	
Exposure Workshop	
Transition (Exposure to Immersion)	
IPE IMMERSION (INTERMEDIATE)	
Quadruple Aim Project	
Simulation Activity	
IPE COMPETENCE (ADVANCED)	
Competency Workshop	
Required Practice Activity	
Student Educator Activity	

**Plagiarism 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 Affairs at [cophoffice@uams.edu](mailto:cophoffice@uams.edu). The requirement must be completed by the first day of classes.








**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 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.


**Quantitative Reasoning (QR) 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.

**Quadruple AIM IPE Curriculum Framework**

**COPH – MPH Program**

 <p><b>1 Exposure Workshop</b>  <b>Format/Event:</b> Onsite/Online workshop in August or Online in January.  <b>Timeline:</b> 1st Semester  <b>Course Association:</b> NA  <b>Notes:</b> Enroll 1st semester and complete by the end of 12th credit hour.</p>	 <p><b>2 Exposure Bridge Transition</b>  <b>Format/Event:</b> Exposure Bridge Transition. Any onsite event posted on the IPE website.  <b>Timeline:</b> 1st Semester  <b>Course Association:</b> NA  <b>Notes:</b> 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><b>3 Immersion Quadruple Aim Project (QAP) Workshop</b>  <b>Format/Event:</b> Quadruple Aim Project (QAP) Workshop. Any event posted on the IPE website.  <b>Timeline:</b> 12th—24th credit hour  <b>Course Association:</b> NA  <b>Notes:</b> Enroll the semester of your 12th credit hour.</p>	 <p><b>4 Immersion Simulation</b>  <b>Format/Event:</b> Any onsite event posted on the IPE website.  <b>Timeline:</b> 12th—36th credit hour  <b>Course Association:</b> NA  <b>Notes:</b> Enroll the semester of your 12th credit hour.</p>
 <p><b>5 Competence Workshop</b>  <b>Format/Event:</b> Competence Workshop - Any event posted on the IPE website.  <b>Timeline:</b> 24th credit hour and completion of degree  <b>Course Association:</b> NA  <b>Notes:</b> Enroll the semester of your 24th credit hour.</p>	 <p><b>6 Competence Practice Activity</b>  <b>Format/Event:</b> Onsite Competence Practice Activity – APE Course  <b>Timeline:</b> 24th credit hour and completion of degree  <b>Course Association:</b> COPH 5989 “Applied Practice Experience” (APE). This IPE activity is an assignment for the course.  <b>Notes:</b> 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><b>7 Competence Student Educator Activity</b>  <b>Format/Event:</b> Onsite Student Educator Activity – ILE Course  <b>Timeline:</b> 24th credit hour and completion of degree  <b>Course Association:</b> COPH 5992 “Integrated Learning Experience Project” (ILE). This IPE activity is an assignment for the course.  <b>Notes:</b> Enroll the semester of your 24th credit hour. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.</p>	

 Office of Interprofessional Education

**IPE Curriculum Requirement:** All CPH 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 Affairs, the Associate Dean for Student and Alumni Affairs or visit our website: <https://secure.uams.edu/cophstudent/student-handbook.aspx#ipe>.

**Biology Competence 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/>.

### ALL EHS OPTIONS

BIOLOGY (REQUIRED)		Credit Hours	Grade	Year	Semester
ENVH 5011	Biology for Public Health: Infectious Disease	1			
ENVH 5002	Biology for Public Health: Chronic Disease	1			
ENVH 5003	Biology for Public Health: Current Issues	1			
MPH CORE – 18 Credit Hours		Credit Hours	Grade	Year	Semester
COPH 5003	Introduction to Public Health	3			
BIOS 5013	Biostatistics I	3			
ENVH 5102	Environmental and Occupational Health	3			
HPMT 5103	The Health Care System	3			
HBHE 5104	Health Behavior and Health Education	3			
EPID 5112	Epidemiology I	3			
EOH CORE – 9 Credit Hours		Credit Hours	Grade	Year	Semester
ENVH 5202	Applied Knowledge in Environmental Health	3			
ENVH 5302	Principles of Toxicology in Public Health	3			
ENVH 5404	Public Health Microbiology	3			

### MPH in EHS

OTHER REQUIRED COURSES FOR MPH STUDENTS – 6 Credit Hours		Credit Hours	Grade	Year	Semester
COPH 5023	Climate Change and Public Health	3			
ENVH 5447	Geographic Information Systems in Public Health	3			
ELECTIVE FOR MPH STUDENTS (with approval of MPH advisor) – 3 Credit Hours		Credit Hours	Grade	Year	Semester
		3			

### MD/MPH in EHS

COURSES FOR MD/MPH STUDENTS – 9 Credit Hours		Credit Hours	Grade	Year	Semester
MODU 8101	Brain and Behavior	8			
FMED 8301	Family Medicine	4			
MODU 8206	Medicine Across Generations	4			
MODU 8105 A & B	Practice of Medicine 1 – Parts 1 & 2	6			
MODU 8105 A & B	Practice of Medicine 2 – Parts 1 & 2	7			
PEDI 8301	Pediatrics	8			
PSYC 8301	Psychiatry	6			

### PharmD/MPH in EHS

SELECTIVES FOR PharmD/MPH STUDENTS (with approval of PharmD/MPH advisor) – 9 Credit Hours		Credit Hours	Grade	Year	Semester
PHPR 7102	US Health Care System for Pharmacists	2			
PHSC 7301	Chemical Addiction	2			
PHPR 7151	Death and Dying	2			

PHPR 7303	Evidence-Based Medicine, Biostatistics & Pharmacoeconomics	3			
PHPR 7150	Leadership	2			
PHPR 7367	Landmark Studies	2			
PHSC 7351	Toxicology	2			
PHPR 7358	PBL – Therapeutics - Peds	2			
PHPR 7157	Entrepreneurship	2			

### JD/MPH in EHS

REQUIRED COURSE – 3 Credit Hours		Credit Hours	Grade	Year	Semester
LAW 6350	Administrative Law (taken at Bowen School of Law)	3			
SELECTIVES (with approval of JD/MPH advisor) – 6 Credit Hours		Credit Hours	Grade	Year	Semester
ENVH 5221	Regulations in Environmental Health	3			
LAW 6292	Effective Advocacy for Policy Makers	3			
LAW 6337	Remedies	3			
LAW 6362	Environmental Law	3			
COPH 5346	Social Determinants of Health	3			
LAW 6393	Civil Liberties	3			
LAW 6246	Critical Race Theory Seminar	3			
COPH 5146	Rural and Global Public Health Practice	3			
LAW 6155	Introduction to International Law	1			
LAW 6292	Effective Advocacy for Policy Makers	2			
LAW 6405	Delta Clinic (only count three hours)	4			

### ALL EHS OPTIONS

PUBLIC HEALTH PRACTICE (REQUIRED) – 6 Credit Hours		Credit Hours	Grade	Year	Semester
<sup>2</sup> COPH 5989	Applied Practice Experience	3			
	<b>TITLE:</b>				
COPH 5991	Integrative Learning Experience Seminar	1			
<sup>1,3</sup> COPH 5992	Integrative Learning Experience Project	2			
	<b>TITLE:</b>				

MINIMUM TOTAL HOURS = 42

<sup>1</sup>May not be taken concurrently with COPH 5989 Applied Practice Experience

<sup>2</sup>Students in the JD/MPH program may be able to count the same project for COPH 5989 Applied Practice Experience and Experiential Learning requirement if the project adheres to the requirements of both programs and is approved by their program advisor at each college.

<sup>3</sup>Students in the JD/MPH program may be able to count the same project for COPH 5992 and the Upper Level Writing and/or Policy and Perspectives requirement if the project adheres to the requirements of both programs and is approved by their program advisor at each college.

### MPH Concentration: Environmental Health Sciences

Competency	Course	Assessment
1. Assess potential chemical hazards in the environment and approaches to control them.	ENVH 5222 Environmental Exposure Assessment	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 5404 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 5404 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 5202 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 5302 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.