

Fay W. Boozman College of Public Health

MPH Concentration in Epidemiology (EPI)

Option:

- MPH in EPI
 MD/MPH in EPI
 PharmD/MPH in EPI

Advisee's Name	Student ID Number	Faculty Advisor
PLAGIARISM TRAINING		
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. The requirement must be completed by the first day of classes.

Writing Milestone Requirement: All students who enter the College of Public Health will be required to complete a Writing and Reasoning 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.

IPE Curriculum

Requirement: As of the Fall 2015 semester, 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

Quadruple AIM IPE Curriculum Framework
COPH – MPH Program

1
Exposure Workshop

Exposure Workshop
Format/Event: Onsite/Online workshop in August or Online in January.
Timeline: 1st Semester
Course Association: NA
Notes: Enroll 1st semester and complete by the end of 12th credit hour.

2
Bridge Activity

Exposure Bridge Transition
Format/Event: Exposure Bridge Transition. Any onsite 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.

3
Quadruple Aim Project

Immersion Quadruple Aim Project (QAP) Workshop
Format/Event: Quadruple Aim Project (QAP) Workshop. Any event posted on the IPE website.
Timeline: 12th—24th credit hour
Course Association: NA
Notes: Enroll the semester of your 12th credit hour.

4
Simulation

Immersion Simulation
Format/Event: Any onsite event posted on the IPE website.
Timeline: 12th—36th credit hour
Course Association: NA
Notes: Enroll the semester of your 12th credit hour.

5
Competence Workshop

Competence Workshop
Format/Event: Competence Workshop - Any 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.

6
Practice Activity

Competence Practice Activity
Format/Event: Onsite Competence Practice Activity – APE Course
Timeline: 24th credit hour and completion of degree
Course Association: COPH 5989
“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.

7
Student Educator

Competence Student Educator Activity
Format/Event: Onsite Student Educator Activity – ILE Course
Timeline: 24th credit hour and completion of degree
Course Association: COPH 5992
“Integrated 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.

Office of Interprofessional Education

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 EPI 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			
EPI CORE – 12 Credit Hours		Credit Hours	Grade	Year	Semester
EPID 5322	Epidemiology II	3			
EPID 5334	Epidemiology III	3			
EPID 5573	Data Management and Programming for Epidemiologists	3			

MPH in EPI

OTHER REQUIRED COURSE FOR MPH STUDENTS – 3 Credit Hours		Credit Hours	Grade	Year	Semester
BIOS 5212	Biostatistics II: Advanced Linear Models	3			
SELECTIVES (GROUP 1) FOR MPH STUDENTS (with approval of MPH advisor) – 3 Credit Hours		Credit Hours	Grade	Year	Semester
EPID 5325	Epidemiology of Chronic Diseases	3			
EPID 5326	Epidemiology of Infectious Diseases	3			
EPID 6121	Principles and Practice of Public Health Surveillance	3			
EPID 5332	Cancer Epidemiology	3			
SELECTIVES (GROUP 2) FOR MPH STUDENTS (with approval of MPH advisor) – 3 Credit Hours		Credit Hours	Grade	Year	Semester
COPH 5346	Social Determinants of Health	3			
EPID 5335	Molecular Epidemiology	3			
EPID 6324	Genomics/Genetic Epidemiology	3			

MD/MPH in EPI

SELECTIVES 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 EPI

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			

SELECTIVES FOR PharmD/MPH STUDENTS (with approval of PharmD/MPH advisor) – 9 Credit Hours (CONTINUED)		Credit Hours	Grade	Year	Semester
PHSC 7351	Toxicology	2			
PHPR 7358	PBL – Therapeutics - Peds	2			
PHPR 7157	Entrepreneurship	2			

ALL EPI OPTIONS

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

MINIMUM TOTAL HOURS = 42

MPH Concentration: Epidemiology		
Competency	Course	Assessment
1. Evaluate the appropriateness of epidemiologic study designs.	EPID 5322-001 Epidemiology II	Paper critiques. Students evaluate the appropriateness of epidemiologic study designs for the stated/proposed research question. They must discuss the strengths and weaknesses of the design and alternative approaches to answering the research question. Assignments are graded using the rubric in the syllabus.
2. Critically examine and synthesize epidemiologic, and scientific literature then properly interpret results.	EPID 5322-001 Epidemiology II	Paper critiques. Students critically examine epidemiologic and scientific literature in paper critiques. They synthesize the epidemiologic literature and display an integrated understanding of how to interpret study results. Assignments are graded using the rubric in the syllabus.
3. Analyze and apply the principles of validity, reliability, confounding and biases in epidemiology.	EPID 5322-001 Epidemiology II	Final project. Students will have a final project where they analyze and apply the principles of validity, reliability, confounding and biases in epidemiology. Assignments are graded using the grading rubrics in the syllabus.
4. Engage in appropriate epidemiological analytical approaches and properly interpret results.	EPID 5334 Epidemiology III	Reports. Students will use datasets and statistical software packages such as SAS. They need to formulate appropriate analytical approaches for diverse types of exposures and outcomes. Reports will be written to reflect sound interpretation of results and conclusions. Assignments are graded using a rubric in the syllabus.
5. Illustrate required skill needed to access, manage and analyze epidemiological data.	EPID 5573 Data Management & Programming for Epidemiologists	Exams. Students perform data analyses, using SAS software and programming. Students are expected to be able to access, format manage epidemiological data. They are required to analyze epidemiological data using specific statistical tests. Assignments are graded using a rubric in the syllabus.