

SCHOOL OF PUBLIC HEALTH, UNIVERSITY AT ALBANY
PLAN OF STUDY FOR MASTER OF PUBLIC HEALTH DEGREE

Name of Student: _____

Area of Concentration: **BIOMEDICAL SCIENCES**

Name of MPH Advisor: _____

CORE COURSES¹

Note: students must complete a minimum of 4 core courses, including the core course in their area of concentration (BMS 505) in order to complete an internship.

<u>Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>GRADE</u>	<u>YEAR TAKEN</u>
EPI 500 ² OR EPI 501	Basic Principles and Methods of Epidemiology I (<i>spring semester only</i>) OR Principles and Methods of Epidemiology I (<i>fall semester only</i>)	3		
EPI 551 or 552 ³	Principles of Statistic Inference I (<i>fall semester only</i>)	3		
BMS 505	Biological Basis of Public Health (<i>fall semester only</i>)	3		
EHS 590	Introduction to Environmental Health (<i>fall semester section with M. Bloom</i>)	3		
HPM 500	Health Care Organization, Financing and Delivery (<i>offered both fall/spring</i>)	3		
HPM 525	Social and Behavioral Aspects of Health (<i>offered both fall/spring</i>)	3		
SPH 680	First Year MPH Seminar (<i>fall/spring year 1</i>)	2		
SPH 685	Capstone MPH Seminar (<i>either fall/spring year 2</i>)	1		
		21 TOTAL		

¹ Transfer credit for any of these courses must be accompanied by an approved petition showing that a comparable graduate level course was completed at another institution.

² Students with a strong interest in epidemiology may take EPI 501 in place of EPI 500.

³ Students must take online Math assessment exam before enrolling in course. Students planning to take Epi 553 to satisfy additional quantitative course must take Epi 552.

ADDITIONAL QUANTITATIVE COURSE (Choose one)⁴

<u>Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>GRADE</u>	<u>YEAR TAKEN</u>
EPI 553	Principles of Statistic Inference II (<i>spring semester only</i>)	3		
EPI 514	Computer Programming for Data Mgmt (<i>offered both fall/spring</i>)	3	_____	_____
		3 TOTAL		

⁴ Students are expected to satisfy the additional quantitative requirement with Epi 553. Epi 514 will be permitted only under exceptional circumstances.

REQUIRED COURSES FOR AREA OF CONCENTRATION

<u>Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>GRADE</u>	<u>YEAR TAKEN</u>
BMS601	Introduction to Biomedical Sciences (<i>fall semester only – taken in year 2</i>)	3	_____	_____
		3 TOTAL		

ADVANCED COURSE REQUIRED FOR BIOMEDICAL SCIENCES CONCENTRATION (choose one)

<u>Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>GRADE</u>	<u>YEAR TAKEN</u>
BMS 552	Medical Entomology (<i>offered even spring semesters</i>)	3		
BMS 553	Virology (<i>offered odd fall semesters</i>)	4		
BMS 610	Microbial Pathogenesis (<i>offered odd spring semesters</i>)	3		
BMS 612	Neuroanatomy & Nervous System Disorders (<i>fall semester only</i>)	3		
BMS 622	Cancer Biology (<i>spring semester only</i>)	3		
BMS 663	Mammalian Genetics (<i>offered odd spring semesters</i>)	3		
EHT 530	Principles of Toxicology (<i>spring semester only</i>)	3		
		3 TOTAL		

ELECTIVES As approved by advisor, must include one additional BMS course (See sample list of electives below)

<u>Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>GRADE</u>	<u>YEAR TAKEN</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
		12 TOTAL		

INTERSHIPS⁵ (Up to 6 credits may be waived ⁶).

<u>Course</u>	<u>Course Title</u>	<u>Credits</u>	<u>GRADE</u>	<u>YEAR TAKEN</u>
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
		9 TOTAL		

TOTAL CREDITS = 51 HOURS MINIMUM, or 45 credits with a 6 credit internship waiver

Sample List of Electives

Students should also consult the University at Albany Schedule of Classes to identify additional elective courses offered in the School of Public Health and other University at Albany departments.

- BMS 506 Introduction to Immunology
- BMS 553 Virology
- BMS 610 Microbial Pathogenesis
- BMS 612 Neuroanatomy and Nervous System Disorders
- BMS 663 Mammalian Molecular Genetics
- EPI 604 Cancer Epidemiology
- EPI 610 AIDS Epidemiology
- EPI 620 Cardiovascular Diseases Epidemiology
- HPM 605 Philosophical and Ethical Issues in Public Health

⁵ Internships must be completed in at least two different settings, e.g. NYSDOH, other state agency, CDC, county health department, NYCDOHMH, non-governmental organization, hospital, global site. Separate parts of the NYSDOH or other large agencies can count as different settings.

⁶ For waiver credit, attach description of previous public health experience. The waiver petition must be submitted to Internship Subcommittee for final approval.