

# New Dual Degree or Double Major Opportunity!

## Microbiology and Immunology + Public Health

### Which option is right for you?

#### Dual Degree Option: BS(MIC)/BSPH

- Solid foundations in Microbiology and Immunology and Public Health
- Can double count some courses between the two degrees
- Two bachelor's degrees (two diplomas) from two colleges/schools in four years of undergraduate study

#### Double Major Option: BS(MIC)/PH or BSPH/MIC

- Solid foundations in Microbiology and Immunology and Public Health
- Can double count some courses between the two majors
- One Bachelor's degree in either Microbiology and Immunology or Public Health

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### Next Steps

Speak with an academic advisor in Microbiology and Immunology or Public Health!

#### Microbiology and Immunology

- 305-284-6422
- [riwill@miami.edu](mailto:riwill@miami.edu)
- Advising appointments available by request

Visit our site: <https://mic.as.miami.edu/dual-degree-or-dual-major/index.html>

#### Public Health

- (305) 284-4325
- [SONHS@miami.edu](mailto:SONHS@miami.edu)
- Walk in advising hours: 9:00 a.m. – 3:30 p.m., Monday through Friday



UNIVERSITY OF MIAMI  
COLLEGE of  
ARTS & SCIENCES



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MILLER SCHOOL of  
MEDICINE



UNIVERSITY OF MIAMI  
SCHOOL of NURSING  
& HEALTH STUDIES



# Dual Degree Bachelor of Science (BS) in Microbiology and Immunology and Bachelor of Science in Public Health (BSPH)

150 credits are required for a dual degree in order to graduate. You will need to add an additional 16 credits to the sample plan of study below. These credits may come from AP, IB, Cambridge, or dual enrollment courses.

Freshman Year	Fall		Spring
Modern Plagues in Society: MIC 201 <sup>2*</sup> or MIC 319 <sup>1*</sup>	3	Intro. to Microbes and the Immune System: MIC 301*	3
Lab for Microbes and the Immune System: MIC 304 <sup>***</sup> <b>(W)</b>	2	Introductory Epidemiology BPH 208 (MIC 304 <sup>***</sup> <b>(W)</b> )	2-3
Biology 150(Lect.)/151(Lab)	5	Biology 160(Lect.)/161(Lab)	5
Chemistry 121(Lect.)/113(Lab): (MTH 140 co/prerequisite)	5	Chemistry 221(Lect.)/205(Lab)	5
Introduction to Public Health BPH 206	3	English 106 or 107	3
English 105	3		18-19
	18-19		
Sophomore Year			MCAT
Innate Immunology: MIC 319 <sup>1*</sup> (MIC 304 <sup>***</sup> )	2-3	Immunobiology: MIC 321 <sup>1*</sup>	3
Introductory Statistics in Health Care BPH 202	3	Biochemistry 401	4
Chemistry 222(Lect.)/206(Lab)	6	Mathematics 162	4
Mathematics 161	4	Biology 255 or Elective	3
Foreign Language or PSY 110	3	Foreign Language or SOC 101	3
	18-19		17
Junior Year		MCAT	(applications)
Microbial Pathogenesis and Physiology: MIC 323 <sup>2*</sup>	3	Fundamental and Medical Virology: MIC 436 <sup>2*</sup>	3
Health promo and disease Prevent BPH 321* <b>(W)</b>	3	Introduction to Health Policy BPH 322*	3
Physics 101(Lect.)/106(Lab)	5	Physics 102(Lect.)/108(Lab)	5
Global Health BPH 310* <b>(W)</b>	3	Health and Environment BPH 309* <b>(W)</b>	3
Foreign Language	3	Arts & Humanities Cognate	3
	17		17
Senior Year		(interviews)	
Microbiology & Immunology Colloquium: MIC 441 <b>(W)</b>	1	Medical Parasitology: MIC 322 <sup>2*</sup>	3
Research Microbiology & Immunology: MIC 451-456 <sup>**</sup>	3	Research Microbiology & Immunology: MIC 451-456 <sup>**</sup>	3
Public Health Stats and Data Management BPH 465*	3	Arts & Humanities Cognate	3
HCS 217 Medical Terminology (Optional)	1	Issues in Health Disparities BPH 305* <b>(W)</b>	3
Elective	3	Field Practicum in Community Health BPH 490* <b>(W)</b>	3
Arts & Humanities Cognate	3	Elective	3
	14		18

## Enroll in Medical School

Modern Plagues in Society 201  
Intro. to Microbes and the Immune System 301  
Microbiology & Immunology Lab 304  
Innate Immunology 319  
Immunobiology 321  
Parasitology 322  
Microbial Pathogenesis and Physiology 323  
Fundamental and Medical Virology 436

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441 Colloquium (Seminar on the Medical Campus)  
451- 456<sup>\*\*</sup> Special Projects (Research)  
460 Advanced Topics in MIC/IMMUNO

BIL 255 may be used as an elective for MIC  
MIC 319 or 321 counts as an elective for PH  
Double counted courses between MIC and PH:  
MIC 301, 304 BPH 206,208

24 credits of MIC are required for major, students must take MIC 301 and 304, 319 or 321 (total 11-12 credits) and MIC 322 or 323 or 436. The remaining 13 credits can be fulfilled with any of the courses listed above. Dual Majors/Degree students can get MIC credit for courses in BPH toward the 13 credits remaining to receive the major: BIL 255 which is recommended for Medical School. MIC 441 may be taken up to two times. Psychology and Sociology should be taken due to the MCAT's focus on these subjects if you are planning to attend Medical School. BMB 401 does not count toward the 24 credits of MIC required but must be taken. 12 credits of MIC are required for the minor in MIC; students must take MIC 301 and 304, 319 or 321 (total 11-12 credits) and MIC 322 or 323 or 436. A minor is required of all MIC majors and is usually CHM provided students earn a minimum grade of C- in each course while in residence at UM. The last 45 credits must be taken at the University of Miami. Courses may be taken during the summer sessions to lighten the load in any given semester. This major is applicable for those that want to attend school in preparation for medical, graduate, pharmacy, optometry, podiatry and dental careers... for any additional requirements that are not included please consult with Diana M. Lopez, Ph. D. or Roger Williams, M.S. Ed. For degree requirements pertaining to the Public Health Degree, please email [sonhs@miami.edu](mailto:sonhs@miami.edu).

(\*) indicates, offered only in that semester. (\*\*) indicates that permission of undergraduate director is needed, in addition to the following: 3.0 GPA within major, 3.0 GPA overall and at least 17 credits completed in our department; also it can be taken from 2-6 credits and only 6 may count toward the major. (\*\*\*) indicates lab can be taken before, after or with MIC 301 and only needs to be taken once. **(W)** = Writing

(<sup>1</sup>) indicates at least 1 course must be taken from MIC 321,319. (<sup>2</sup>) indicates at least 1 course must be taken from MIC 201,322, 323, 436.