

B.S. MIC major and CHM minor: Pre-pharmacy Track

Freshman Year	Fall	Spring
Modern Plagues in Society: MIC 201 ^{2*} or	3	Intro. to Microbes and the Immune System: MIC 301* 3
Lab for Microbes and the Immune System: MIC 304 ^{***}	2	Lab for Microbes and the Immune System: MIC 304 ^{***} 2
Biology 150(Lect.)/151(Lab)	5	Biology 160(Lect.)/161(Lab) 5
Chemistry 121(Lect.)/114(Lab)	5	Chemistry 221(Lect.)/205(Lab) 5
Option: People & Society Cognate (PSY 110), (MTH 140)	3-4	English 106 or 107 <u>3</u>
English 105	<u>3</u>	15-18
	16-17	
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Sophomore Year	Fall	Spring
Innate Immunology: MIC 319 ^{1*} (MIC 304 ^{***})	3	Immunobiology: MIC 321 ^{1*} 3
Arts & Humanities Cognate	3	Biochemistry 401 4
Chemistry 222(Lect.)/206(Lab)	6	Mathematics 162 4
Mathematics 161	4	BIL 255 or 250 3
Foreign Language or CIS 120 or REL 360	<u>3</u>	Foreign Language or SOC <u>3</u>
	16-19	17
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Junior Year	PCAT	PCAT
Microbial Pathogenesis and Physiology: MIC 323 ^{2*}	3	Fundamental and Medical Virology: MIC 436 ^{2*} 3
GSC 309* or MSC 465*/MSC 464*(Lab)	3-4	People & Society Cognate 3
Physics 101(Lect.)/106(Lab)	5	Physics 102(Lect.)/108(Lab) 5
Elective	3	Statistics/Computer Science (PSY 292) 3
Foreign Language or ECO 211 Micro-economics	<u>3</u>	Arts & Humanities Cognate <u>3</u>
	17-18	17
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Senior Year (Apply to Pharmacy School earliest Nov.)	Fall	Spring
Microbiology & Immunology Colloquium: MIC 441	1	Medical Parasitology: MIC 322 ^{2*} 3
Research Microbiology & Immunology: MIC 451-456 ^{**}	3	Research Microbiology & Immunology: MIC 451-456 ^{**} 3
Elective	3	Elective 3
Human Physiology	4	COS 211 Public Speaking 4
People & Society Cognate	3	Elective 3
Arts & Humanities Cognate	<u>3</u>	Elective <u>3</u>
	17	18

Enroll in Pharmacy 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



441 Colloquium (Seminar on the Medical Campus)
 451- 456^{**} Special Projects (Research)
 460 Advanced Topics in MIC/IMMUNO

Courses that may be used in BIL, GSC, MSC
 255 Cell Molecular Biology or 250
 309 Microbes in the Environment
 465/4 Marine Comparative Immunology/lab

24 credits of MIC are required for major, students must take MIC 301 and 304, 319 or 321 (total 11-12 credits) and MIC 201 or MIC 322 or 323 or 436. The remaining 13 credits can be fulfilled with any of the courses listed above. 12 credits of MIC are required for the minor; students must take MIC 301 and 304, 319 or 321, and MIC 201 or MIC 322 or 323 or 436. Majors can get MIC credit for courses outside of MIC such as: BIL 255 which is recommended for Medical School or BIL 250, GSC 309 or MSC 465/4 toward the 13 credits remaining to receive the major. MIC 441 may be taken up to two times. Psychology and Sociology should be taken as part of your people and society cognate due to the MCAT's focus on these subjects. BMB 401 does not count toward the 24 credits of MIC required but must be taken.

120 credits are required for graduation. Your 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. Pre-pharmacy students must take human physiology, micro-economics and public speaking. Math and science courses are recommended to be taken during regular terms.

For any additional requirements that are not included please consult the Pharm school you will be applying to and with Diana M. Lopez, Ph. D. or Roger Williams, M.S. Ed.

(*) 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.

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