

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

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

Enroll in Dental School

Modern Plagues in Society 201
Intro. Microbiology & Immunology 301
Microbiology & Immunology Lab MIC 304
Innate Immunology 319
Immunobiology 321
Parasitology 322
Principals of Microbial Pathogenesis 323
Fundamental and Medical Virology 436

UNIVERSITY OF MIAMI
MILLER SCHOOL
of MEDICINE



441 Colloquium (Seminar on the Medical Campus)
451- 456^{**} Special Projects (Medical 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. A 3.0 GPA, academic qualifications (MIC), personal interviews and dental office shadowing are all required. AADSAS is the recommended service to apply to multiple dental schools at one time.

For any additional requirements that are not included please consult 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.