

Sample Plan of Study

150 credits are required for a Joint Degree in order to graduate. You will need to add additional credits to the sample plan below to get to the number of credits required to graduate and these can come from AP, IB, Cambridge, or dual enrollment courses.

This is a 4 year sample plan of study that assumes courses are taken during the fall and spring. In order to make sure you obtain the number of credits required, you may need to take coursework during the summer.

This is a guide and is not meant to take the place of the advice of your major advisor, you should consult with them before making any changes.

Freshman Year		
FALL		CREDIT HOURS
MIC 304	Introduction to Microbes and the Immune System (Lab)	3
BPH 206	Introduction to Public Health	3
BIL 150	General Biology	4
BIL 151	General Biology Laboratory	1
CHM 121	Principles of Chemistry	4
CHM 113 or 115	Chemistry Laboratory I or Introductory Biology/Chemistry Laboratory I	1
WRS 105	First-Year Writing I	3
	Credit Hours	19
SPRING		
MIC 301	Introduction to Microbes and the Immune System	3
BPH 208	Introductory Epidemiology	3

BIL 160	Evolution and Biodiversity	4
BIL 161	Evolution and Biodiversity Laboratory	1
CHM 221	Introduction to Structure and Dynamics	4
CHM 205 or 204	Chemical Dynamics Laboratory or Introductory Biology/Chemistry Laboratory II	1
WRS 106 or 107	First-Year Writing II or First-Year Writing II: STEM	3
Credit Hours		19
Sophomore Year		
FALL		
MIC 323	Microbial Biology and Pathogenesis	3
BPH 202	Introductory Statistics in Health Care (Counts for B.S. STATS requirement)	3
CHM 222	Organic Reactions and Synthesis	4
CHM 206 or 207	Organic Reactions and Synthesis Laboratory or Chemical Dynamics and Organic Synthesis Laboratory	2
MTH 161	Calculus I	4
Arts and Humanities Cognate Course, Foreign Language , or PSY110		3
Credit Hours		19
SPRING		
MIC 321	Immunobiology	3
BMB 401	Biochemistry for the Biomedical Sciences	4
MTH 162	Calculus II	4
BIL 255 or 250	Cellular and Molecular Biology (May be required for some pre-health programs (optional)) or Genetics	
General Elective Credit		4
SOC 101	Introduction to Sociology (or Foreign Language)	3
Recommended MCAT, GRE, DAT or OAT...		
Credit Hours		18
Junior Year		

FALL		
MIC 460	Advanced Topics in Microbiology and Immunology (A) (or MIC 470 in the Spring.)	3
BPH 310	Global Health	3
BPH 321	Health Promotion and Disease Prevention	3
PHY 101	College Physics I	4
PHY 106	Physics Laboratory 1	1
Foreign Language or Arts and Humanities Course		3
General Elective Credit		2
Credit Hours		19
SPRING		
MIC 470	Advanced Topics in Microbiology and Immunology (B) (or MIC 460 in the Fall)	3
BPH 309	Health and Environment	3
BPH 322	Introduction to Health Policy	3
PHY 102	College Physics II	4
PHY 108	Physics Laboratory 2	1
Arts and Humanities Cognate Course		3
Possible MCAT, GRE, DAT or OAT...		
General Elective Credit		2
Credit Hours		19
Senior Year		
FALL		
Choose one of the following Special Projects Courses (6cr. max can count toward MIC Electives) max credits in one semester is 3.:		3
MIC 451, 452, or 453	Special Projects in Immunobiology or Special Projects in Microbiology or Special Projects in Parasitology	
CHM Elective (optional for CHM minor)		
Applications to Medical or Graduate School		
BPH 465	Public Health Statistics and Data Management	3
HCS 217	Medical Terminology (Optional overall elective)	1

General Elective Credit	11
Credit Hours	18
SPRING	
MIC 444 Lab Techniques and Experimental Design	3
MIC 322 Medical Parasitology	3
Choose one of the following:	3
MIC 451 or 452 Special Projects in Immunobiology or Special Projects in Microbiology	
BPH 305 Issues in Health Disparities	3
BPH 490 Field Practicum in Community Health	4
General Elective Credit	3
Credit Hours	19
Total Credit Hours	150