

Course Requirements for MIP PhD Students

Course Title	Course Number	Number of Credits	Graded	Additional Notes
Biochemistry	INTER 111	4	4	
Cell and Molecular Biology A	INTER 121	2	2	
Cell and Molecular Biology B	INTER 122	3	3	
Ethics in Biomedical Sciences	INTER 220	1‡		
Responsible Conduct in Research	INTER 260	1‡		
Laboratory Rotations in Microbiology	MICRO 228	6‡		
Intro to Microbial Pathogenesis	MICRO 224	3	3	Minimum grade of B is required
Fundamentals in Immunology	MICRO 296	3	3	
Advanced Medical Bacteriology	MICRO 225	3	3	
Mol Biol Pathogenic Eukaryotes	MICRO 231	3	3	
General and Molecular Virology	MICRO 276	3	3	
Adv Microbial Pathogenesis*	MICRO 250	0-3	0-3	At least 3 graded credits from these are required.
Selected Topics in Microbiology†	MICRO 281	0-6	0-6	
Approved Electives		0-3	0-3	
Research Proposal in Microbiology†	MICRO 299	3	3	If sufficient graded credits, can be P/F
Seminar in Microbiology	MICRO 298	4‡		Only 4 credits go toward graduation; students must attend every semester
Analysis of Research Literature	MICRO 229	4‡		Up to 4 credits are possible; students must attend every semester
Thesis and Dissertation Research	MICRO 300 and 400	15‡		Only 15 credits go toward graduation
60 credits required for graduation		61-69	30-39†	30 graded credits are required

* In some years these courses may not be offered. MICRO 250 is a required course when offered in student's second year in department.

† Selected Topics may be offered as graded or pass/fail.

‡ Non-graded; maximum number of credits that can be received

Suggested electives:

INTER 143 Experimental Design and Analysis	2 credits	March 30 – May 9 (T,Th)
INTER 141 Genetics	2 credits	Jan 3 – Feb 9 (T,Th)
INTER 142 Pharmacology	2 credits	Feb 14 – March 28 (T, Th)
BIO 6100 Biostatistical methods	4 credits	
BIOCH 299 Professional Skills-Graduate Students	1 credit	Spring (not graded)