

Upper Division Courses in the MIC Major

<u>Course</u>	<u>Units</u>		<u>Quarter Offered</u>	<u>Prerequisites</u>
BIS 101	4	Genes & Gene Exp	Every Quarter & Summer	BIS 2ABC (BIS 2C may be taken concurrently); Chem 8B or 118B (may be taken concurrently); STA 13 or 100 (recommended)
BIS 102	3	Struc-Func Biomolecules	Every Quarter & Summer	BIS 2A; Che 8B or 118B
BIS 103	3	Bioenergetics/Metabolism	Every Quarter & Summer	BIS 102
BIS 104	3	Cell Biology	Every Quarter & Summer	BIS 101 & 102; BIS 103 (recommended)
BIS 105	3	Biomolecules and Metabol	Fall and Winter	BIS 2ABC; BIS 101; Che 8B or 118B
BIS 180L	5	Genomics Lab	Spring	BIS 181; BIS 183 (may be taken concurrently); MCB 182.
BIS 181	3	Comparative Genomics	Fall	BIS 101
BIS 183	3	Functional Genomics	Spring	BIS 101; BIS 102 or 105 (recommended)
MCB 120L	6	Molec Biol & Biochem Lab	Every Quarter	BIS 103 (may be taken concurrently)
MCB 121	3	Adv Molec Biology	Every Quarter	BIS 101 and 102 or 105 or Animal Bio 102 (may be taken concurrently)
MCB 160L	5	Genetics Lab	Every Quarter	BIS 101
MCB 182	3	Principles of Genomics	Winter	BIS 101
MIC 102	3	Intro Micro	Every Quarter & Summer	BIS 2A; Che 2B (may be taken concurrently)
MIC 103L	2	Intro Micro lab	Every Quarter & Summer	MIC 102 with a grade of C- or higher
MIC 104L	3	Gen Micro lab	Fall	MIC 102 with a grade of C or higher
MIC 105	3	Microbial Diversity	Winter	MIC 102; BIS 101
MIC 105L	3	Microbial Diversity Lab	Winter	MIC 104; 104L; MIC 105 (may be taken concurrently)
MIC 111	3	Human Microbiology	starts Fall 17	MIC 102; BIS 101
MIC 115	3	DNA Recombination	Fall	BIS 101 or equivalent
MIC 150	3	Genomes and Pathogenic Bacteria	not scheduled	MIC 102; BIS 101
MIC 162	4	General Virology	Winter	BIS 101; BIS 102 or 105 recommended
MIC 170	3	Yeast Genetics	Spring	BIS 101; BIS 102 or 105 strongly recommended
MIC 175	3	Cancer Biology	Spring	BIS 101; BIS 102 or 105
MIC 191	1	Intro to Research	Spring	BIS 2A; restricted to upper division standing
MMI 188	3	Human Immunology	Spring	Undergraduate level introductory biology course
PMI 126	3	Fund Immunology	Winter	BIS 102
PMI 126L	2	Immunology Lab	Winter	PMI 126 or equivalent (may be taken concurrently)
PMI 127	5	Medical Micro	Spring	MIC 104 & 104L, PMI 126 or MMI 188
PMI 128	3	Animal Virology	Spring	BIS 102
PLP 120	4	Intro to Plant Path	Fall, Spring	BIS1C; MIC 102 (recommended)
PLP 130	3	Fungal Biotech/Biochem	Spring	Plant Biology 119, BIS 103
PLP 148	4	Intro to Mycology	Fall	BIS 2ABC
PLP 150	3	Fungal Ecology	Winter (not offered every year)	BIS 2C or equivalent
PLS 174	3	Micro of Fruits and Veg	Fall (not offered every year)	PLS 2 or BIS 2C or equivalent
FST 104	3	Food Micro	Winter	BIS 2A, BIS103, MIC 102, & MIC 103L
SSC 111	4	Soil Micro	Winter	Chem 2C & BIS 2C
EVE 161	3	Microbial Phylogenomics	Winter	BIS 2ABC or equiv