

### MBC Professional Division Curriculum (entering P1 Fall 2018 and after)

MBC Professional Division Curriculum (entering P1 Fall 2018 and after)					
<b>Fifth Term</b>					Pre &/Co Req
	MBC	3310	Medicinal Chemistry I	2	CHEM 2420
	MBC	3330	Techniques in Pharmaceutical and Medicinal Chemistry	2	
	MBC	3340	Techniques in Pharmaceutical and Medicinal Chemistry Laboratory	1	
	MBC	3550	Physiological Chemistry I	3	
	PHCL	3700	Pharmacology I	3	
			MBC Laboratory (Recommend MBC 3880) <sup>1</sup>	3	
			Major Elective <sup>2</sup>	2	
				<b>16</b>	
<b>Sixth Term</b>					
	MBC	3100	Practices in Pharmaceutical Research	1	
	MBC	3320	Medicinal Chemistry II	3	MBC 3310, MBC 3550
	MBC	3560	Physiological Chemistry II	3	MBC 3550
	PHCL	3730	BSPS Pharmacology II	3	PHCL 3700
			MBC Laboratory (Recommend MBC 4870) <sup>1</sup>	3	
			Major Elective (Recommend MBC 3860) <sup>2</sup>	2	
				<b>15</b>	
<b>Seventh Term</b>					
	MBC	4710	Targeted Drug Design <sup>3</sup>	3	MBC 3320
			MBC Laboratory <sup>1</sup> or Major Elective <sup>2</sup>	13	
			Free electives, if necessary	2	
				<b>18</b>	
<b>Eighth Term</b>					
	MBC	4780	Internship in Med. & Biol. Chem <sup>4</sup>	6 - 12	MBC 3320, MBC 3560
				<b>6 - 12</b>	

<sup>1</sup> The MBC major requires that 3 semester hours of laboratory instruction be taken at the 3000 level or higher

<sup>2</sup> A total of 20 hours of course work to be chosen from the MBC electives list.

<sup>3</sup> MBC 4720, Advances in Drug Design, when offered, will also fulfill the requirement.

<sup>4</sup> Internship can be taken in summer before P2 year

All requirements listed above must be fulfilled with a minimum of 120 semester hours required for graduation.

#### MBC Major Electives

A total of 20 hours of course work must be selected from the list of elective courses below. Other electives require approval of the MBC adviser

BIOL	3010	Molecular Genetics	3
BIOL	3020	Molecular Genetics - Lab	2
BIOL	3030	Cell Biology	3

BIOL	3040	Cell Biology Lab	2
BIOL	4010	Molecular Biology	3
BIOL	4030	Microbiology	3
BIOL	4050	Immunology	3
BIOL	4110	Human Genetics	3
BIOL	4330	Parasitology	3
CHEM	3310	Analytical Chemistry	2
CHEM	3360	Analytical Chemistry Lab	1
CHEM	3560	Biochemistry Chemistry Lab	2
CHEM	3610	Inorganic Chemistry	3
CHEM	3710	Physical Chemistry for the Biosciences I	3
CHEM	3720	Physical Chemistry for the Biosciences II	3
CHEM	3730	Physical Chemistry I	3
CHEM	3740	Physical Chemistry II	3
CHEM	3860	Advanced Laboratory I	3
CHEM	3870	Advanced Laboratory II	3
CHEM	4300	Instrumental Analysis	2
CHEM	4620	Inorganic Chemistry II	3
CHEM	4880	Advanced Laboratory III	2
CHEM	4980	Advanced Organic Chemistry	2
EEES	4150	Evolution	3
EEES	4300	Field Botany	3
EEES	4450	Hazardous Waste Management	3
EEES	4510	Environmental Microbiology	3
EEES	4800	Plant Physiological Ecology	4
MBC	3860	Microbiology for Pharmaceutical professionals	2
MBC	3880	Medicinal & Biological Chem Lab	3
MBC	4300	Chemotherapy and Immunotherapy	2
MBC	4470	Advanced Immunotherapeutics	2
MBC	4720	Advances in Drug Design	3
MBC	4850	Adv Immunology & Tissue Culture Lab	1 to 10
MBC	4870	Biomedical Chem Lab	1 to 10
MBC	4880	Medicinal Biotech Lab	1 to 10
MBC	4900	Hrs Seminar in Medic/Bio Chem	1 to 3
MBC	4910	Problems in Bio-medicinal Chem	1 to 3
MBC	4950	Research in Medicinal Chemistry	3 to 8
MBC	4960	Hrs Thesis in Medicinal Chem	4 to 5
MBC	4980	Special Topics in Drug Design	1 to 4
PHCL	4140	Interpretation of Pharmaceutical Data	3
PHCL	4810	BSPS Pharmacology III	3
PHCL	4820	BSPS Pharmacology IV	3
PHCL	4730	Toxicology I	3
PHCL	4750	Toxicology II	3
PHCL	4760	Toxicokinetics	3