

# MASTER OF SCIENCE IN BIOMEDICAL SCIENCES, PLAN B

## Requirements Effective Fall 2021

Code	Title	Credits
<b>Core Courses</b>		
GRAD 544	Ethical Conduct of Research	1
Select one group from the following:		4-8
Group A:		
BMS 500 & BMS 501	Mammalian Physiology I and Mammalian Physiology II	
Group B:		
BMS 500 or BMS 501	Mammalian Physiology I Mammalian Physiology II	
Select one from the following:		2
BMS 792A	Seminar: Biomedical Sciences	
BMS 792B	Seminar: Neurophysiology	
BMS 792C	Seminar: Reproductive Physiology	
<b>Selected Courses</b> <sup>1</sup>		<b>Var</b>
BC 563	Molecular Genetics	
BC 565	Molecular Regulation of Cell Function	
BMS 503/NB 503	Developmental Neurobiology	
BMS 505/NB 505	Neuronal Circuits, Systems and Behavior	
BMS 545	Neuroanatomy	
BMS 631	Mechanisms of Hormone Action	
BMS 632	Metabolic Endocrinology	
BMS 640	Reproductive Physiology and Endocrinology	
BMS 642	Research Techniques for Gametes and Embryos	
BMS 684	Supervised College Teaching	
BMS 695A	Independent Study: Developmental Anatomy	
BMS 695B	Independent Study: Microscopic Anatomy	
BMS 695C	Independent Study: Neuroanatomy	
BMS 695D	Independent Study: Radiographic Anatomy	
BMS 695E	Independent Study: Surgical Anatomy	
BMS 695F	Independent Study: Gross Anatomy	
STAR 511	Design and Data Analysis for Researchers I	
<b>Required Scholarly Paper</b>		
<b>Program Total Credits:</b>		<b>30</b>

Students must write a scholarly paper.

A minimum of 30 credits are required to complete this program.

<sup>1</sup> Select enough credits with approval of advisor and graduate committee to bring the program total to a minimum of 30 credits.