PH.D. IN BIOMEDICAL SCIENCES

Requirements
Effective Fall 2021

Code	Title	Credits
Core Courses		
GRAD 544	Ethical Conduct of Research	1
Select one group from the following:		4-8
Group A:		
BC 563 & BC 565	Molecular Genetics and Molecular Regulation of Cell Function	
Group B:		
BC 563	Molecular Genetics	
or BC 565	Molecular Regulation of Cell Function	
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	Mammalian Physiology I	
or BMS 501	Mammalian Physiology II	
BMS 784	Supervised College Teaching	Var.
Select one group from the following:		4-8
Group A:		
BMS 792A	Seminar: Biomedical Sciences	
or BMS 792B	Seminar: Neurophysiology	
or BMS 792C	Seminar: Reproductive Physiology	
BMS 796A/ NB 796C	Group Study: Topics in Neuroscience	
or BMS 796B	Group Study: Cardiopulmonary Physiology	
or BMS 796C	Group Study: Reproductive Physiology	
Group B:		
BMS 792A	Seminar: Biomedical Sciences	
or BMS 792B	Seminar: Neurophysiology	
or BMS 792C	Seminar: Reproductive Physiology	
or		
BMS 796A/ NB 796C	Group Study: Topics in Neuroscience	
or BMS 796B	Group Study: Cardiopulmonary Physiology	
or BMS 796C	Group Study: Reproductive Physiology	
Selected Courses [1]		**Var.**
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 795A	Independent Study: Endocrinology	
BMS 795B	Independent Study: Neurophysiology	
BMS 795C	Independent Study: Cell Physiology	
BMS 795D	Independent Study: Cardiopulmonary Physiology	
BMS 795E	Independent Study: Reproductive Physiology	
BMS 796A/ NB 796C	Group Study: Topics in Neuroscience	
BMS 796B	Group Study: Cardiopulmonary Physiology	
BMS 796C	Group Study: Reproductive Physiology	
NB 502/CM 502	Techniques in Molecular & Cellular Biology	
NB 771	Writing, Submitting, and Reviewing Grants	
NB 793	Neuroscience Seminar	
NB 796A	Group Study: Ion Channels	
NB 796B	Group Study: Neuronal Growth and Regeneration	
NB 796D	Group Study: Seizures and Epilepsy	
NB 796E	Group Study: Neuroendocrine Mechanisms	
STAR 511	Design and Data Analysis for Researchers I	
STAR 512	Design and Data Analysis for Researchers II	
Dissertation		
BMS 799	Dissertation	Var
Program Total Credits:		**72**

A minimum of 72 credits are required to complete this program.

[1] Select courses with approval of advisor and graduate committee.