

MASTER OF SCIENCE IN BIOMEDICAL SCIENCES, PLAN A

Requirements Effective Fall 2021

| Code | Title | Credits |
|--------------------------------------|---|-----------|
| Core Courses | | |
| GRAD 544 | Ethical Conduct of Research | 1 |
| STAR 511 | Design and Data Analysis for Researchers I | 4 |
| 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 | |
| Selected Courses ¹ | | |
| 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 | |
| Select one from the following: | | 1-18 |
| 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 | |
| Thesis ¹ | | |
| BMS 699 | Thesis | Var. |
| Program Total Credits: | | 30 |

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

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