Student Name: _____ Student Number: _____

Completed: _____ Year: _____

Major Concentration in Neuroscience - 65 credits

Required Courses (20 credits)

☐	BIOL 200	Molecular Biology
☐	CHEM 212 (4 credits)	Intro Organic Chemistry 1 (If CHEM 212 is taken before start at McGill, students substitute elective)
☐	NSCI 200	Introduction to Neuroscience 1 (PHGY209)
☐	NSCI 201	Introduction to Neuroscience 2 (PSYC308)
☐	NSCI 300	Neuroethics
☐	PSYC 311	Human Cognition and the Brain
☐	NSCI 400	Neuroscience Seminar (1)

Core Complementary Courses (9 credits)

☐	COMP 202 ***OR*** COMP 204	Foundations of Programming ***OR*** Computer Programming for Life Sci
☐	BIOL 373 ***OR*** PSYC 305 ***OR*** MATH 324	Biometry ***OR*** Statistics for Experimental Design ***OR*** Statistics
☐	MATH 222 ***OR*** BIOL 309	Calculus 3 ***OR*** Mathematical Models in Biology

Stream Courses (15 credits)

Stream A - Cell and Molecular

☐	BIOL 201 ***OR*** BIOC 212	Cell Biology and Metabolism ***OR*** Molecular Mechanisms of Cell function
☐	BIOL 202	Basic Genetics
☐	BIOC 311	Metabolic Biochemistry
☐	MIMM 214 ***OR*** PHAR 300	Introductory Immunology: Elements of Immunity ***OR*** Drug Action
☐	PHGY 311	Channels, Synapses & Hormones

Stream B - Neurophysiology/Neural Computation

☐	BIOL 201 ***OR*** BIOC 212	Cell Biology and Metabolism ***OR*** Molecular Mechanisms of Cell function
☐	BIOL 306 ***OR*** PHGY 314	Neural Basis of Behaviour ***OR*** Integrative Neuroscience
☐	PHGY 311	Channels, Synapses & Hormones

AND 6 credits from:

☐	ANAT 321	Circuitry of the Human Brain	☐	MATH 223	Linear Algebra
☐	BIOL 309	Mathematical Models in Biology	☐	COMP 206	Intro to Software Systems
☐	MATH 222	Calculus 3	☐	COMP 250	Intro to Computer Science

Stream C - Cognitive/Behavioural

☐	PSYC 213	Cognition
☐	PSYC 318	Behavioural Neuroscience 2
☐	BIOL 306 ***OR*** PHGY 314	Neural Basis of Behaviour ***OR*** Integrative Neuroscience

AND 6 credits from:

☐	ANAT 321	Circuitry of the Human Brain	☐	PSYC 317	Genes and Behaviour
☐	PSYC 302	The Psychology of Pain	☐	PSYC 342	Hormones and Behaviour

Other Complementary Courses (21 credits, 15 of which must be at the 400- or 500-level)

Student take a minimum of 3 credits and a maximum of 16 credits from the following 4 courses:

BIOL 301 Cell and Molecular Laboratory (4 credits)

BIOL 389 Laboratory in Neurobiology (3 credits)

NSCI 410 Independent Research 1 (6 credits)

NSCI 420 Independent Research 2 (9 credits)

The remaining credits are chosen from the following courses:

300-level courses:

ANAT 321 Circuitry of the Human Brain

BIOL 201 ***OR*** BIOC 212 Cell Biology & Metabolism/Mol Mech of Cell Function

MATH 324 Statistics

MIMM 214 Intro Immunology: Element of Immunity MIMM 314