



CONSTANCE DE SCHAETZEN

INTEGRATED SCIENCE
AMBASSADOR

4TH YEAR, MAJOR

THEME OF MY INTEGRATION:

Body and Brain

Integrating Behavioural Neuroscience and Physiology will equip me with skills to assess children on a psychological and physiological level, contributing to my route of becoming a pediatric healthcare practitioner, or health psychologist.

WHAT I AM INTEGRATING:

DISCIPLINE #1

Behavioural Neuroscience:

This discipline will provide a foundation for distinguishing between normal and abnormal psychological patterns seen in children. With the knowledge gained from my proposed curriculum on the brain's ability to grow and develop (e.g., PSCY 460, ISCI 330) and the involvement of motivational and emotional factors (e.g., PSYC 304, 361), I will be equipped to evaluate various psychophysiological disorders such as Fetal Alcohol Spectrum Disorder (FASD).

DISCIPLINE #2

Physiology:

My goal is to understand the functions and mechanisms of all organ systems and how each can be affected by developmental and psychophysiological disorders. By taking numerous physiology courses (e.g., CAPS 301, 391, 424 and 426) I hope to fully appreciate the complexity of the human body.

SAMPLE CURRICULUM RATIONALE

ISCI 330 – Why the Big Brain? The Evolution of Human Cognition

This course focuses on the origins of human cognition, more specifically, what aspects are considered human. My goal is to understand the development and growth of the neocortex and its associated causes, constraints, and consequences. Further, this course will enable me to understand human behaviour through a multidisciplinary lens including various fields such as biological anthropology, neuroscience, and evolutionary psychology.

PSYC 460 – Behavioural Neuroendocrinology

This course details the interactions between hormones and the neural control of reproductive and non-reproductive behaviours. This course complements the lecture material from CAPS 424 which will allow me to fully understand many behavioural processes along with their associated physiological mechanisms such as the involvement of the Hypothalamic-Pituitary-Adrenal Axis seen in the stress response.

CONTACT

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