

# HONOURS SPECIALIZATION IN DEVELOPMENTAL COGNITIVE NEUROSCIENCE – B.Sc.



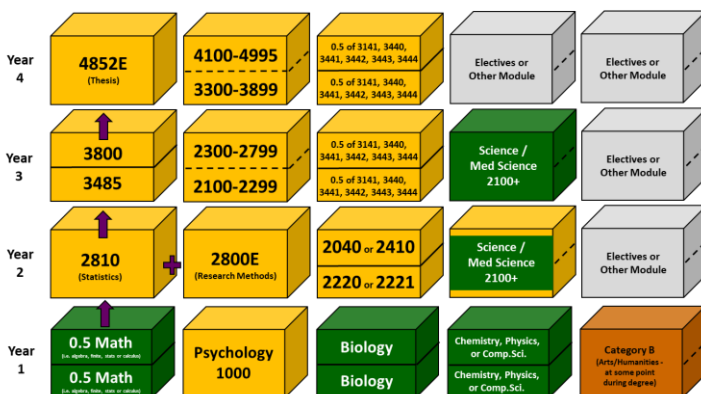
**Purpose of Honours Specialization in Developmental Cognitive Neuroscience B.Sc. Module:** To provide a thorough grounding in the principles of Developmental Cognitive Neuroscience for students who may wish to pursue GRADUATE training in this area within Psychology or Neuroscience. This module aims to understand the development of skills such as language, mathematics, and self-regulation from infancy through childhood. The science combines analyses of cognitive and behavioral development with modern neuro-imaging methods such as functional magnetic resonance imaging (fMRI) and genetic and hormonal analyses.



**Admission Requirements:** To be eligible for admission to the Honours Specialization in Developmental Cognitive Neuroscience B.Sc. program, students must complete 5.0 first-year courses by May 1, with no failures, and must have an average of at least 75% in 3.0 principal courses, with no mark in these principal courses below 60% (**however**, because this is a competitive program, the cut-off average is usually above the minimum of 75% - **currently the actual cut-off is 80%**). The principal courses must include the following first-year courses: 1.0 credits Psychology 1000, 1.0 credits Mathematics, 1.0 credits Biology and 1.0 credits in Chemistry, Physics or Computer Science. Please see the “Mathematics Requirements” under Future Students on our Psychology Undergraduate homepage, where it lists first-year Math courses and their high school prerequisites. The recommended first-year university Math courses are Math 1228A/B and Statistical Sciences 1024A/B. Please see the Western Calendar for high school prerequisites for Biology, Chemistry, Physics and Computer Science.

A student may combine an Honours Specialization in Developmental Cognitive Neuroscience B.Sc. with a Minor or a Major in a different discipline.

## Psychology Honours Specialization in Developmental Cognitive Neuroscience – B.Sc.



- = 1 full course (1.0 credits) or 2 half courses (0.5 credit each)
- = Psychology Courses, Category A – Social Sciences
- = Category B – Arts/Humanities
- = Category C – Science
- = Electives or Other Module

### Requirements for Psychology Honours Specialization in DEVELOPMENTAL COGNITIVE NEUROSCIENCE – B.Sc.:

- 1.0 credits Psychology 1000
- 1.0 credits Math (recommend Math 1228A/B and Stats 1024A/B)
- 1.0 credits Biology 1001A or 1201A and 1002B or 1202B
- 1.0 credits from: Chemistry 1301A/B, 1302A/B; Computer Science 1025A/B, 1026A/B 1027A/B; Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1501A/B and 1502A/B
- 2.0 credits Psychology 2800E and Psychology 2810
- 0.5 credit from: Psychology 2040A/B or 2410A/B
- 0.5 credit from: Psychology 2220A/B or 2221A/B
- 0.5 credit from: Psychology numbered 2100-2299
- 0.5 credit from: Psychology numbered 2300-2799
- 2.0 credits from: Psychology 3141F/G, 3440F/G, 3441F/G, 3442F/G, 3443F/G, and 3444F/G
- 0.5 credit Psychology 3800F/G
- 0.5 credit 3485F/G
- 0.5 credit from: Psychology numbered 3300-3899
- 0.5 credit in Psychology numbered 4100-4995
- 1.0 credits from: Psychology 4850E or 4851E
- 2.0 credits from: Science/Basic Medical Sciences-approved list numbered 2100 or above