

Behaviour, Cognition and Neuroscience Program (BCN)

Student Name: _____

Student I.D. Number: _____ Year: First Second Third Fourth

GRADE POINT AVERAGE OF 70% IN BIOLOGY & PSYCHOLOGY (AND 60% CUMULATIVE)

REQUIREMENTS: Total number of courses: 40 (each course = 3 units unless stated otherwise)

- > Biology: 11
- > Psychology: 10
- > Biology – Animal Behaviour: 1
- > Chemistry: 4
- > BIOL/PSYC/BIOM/CHEM/KINE 3XXX/4XXX: 4
- > Statistics: 1
- > Paired Courses: 2
- > Research Design: 1
- > Undergraduate Research Project: 2
- > Arts & Social Science (not Psychology): 2
- > Any area of study: 2

Noncredit requirement: Attendance at biweekly *Colloquia and Seminars in Current Behavior, Cognitive and Neuroscience Research* is mandatory throughout the duration of the program. Involvement in ongoing research in BCN faculty labs is required in the third year of study and highly recommended throughout the duration of the program.

NOTE: Maximum of 14 courses at the 1000 level and at least 26 courses at the 2000 – 4000 level.

SUMMARY OF COURSES ATTAINED TOWARDS DEGREE *

Biology (note: BIO__ - refers to BIOL- or BIOM- courses) **	<input type="checkbox"/> BIOL1101/55-141 <input type="checkbox"/> BIOL2101/55-210 <input type="checkbox"/> BIOL2480/55-258 <input type="checkbox"/> BIOL4481/55-485	<input type="checkbox"/> BIOL1111/55-140 <input type="checkbox"/> BIOL2111/55-211 <input type="checkbox"/> BIOL3142/55-341 <input type="checkbox"/> BIO__ - _____	<input type="checkbox"/> BIOL2040/55-204 <input type="checkbox"/> BIOM2131/55-213 <input type="checkbox"/> BIOL4450/55-458	33* (11)
Psychology	<input type="checkbox"/> PSYC1150/46-115 <input type="checkbox"/> PSYC2560/46-256 <input type="checkbox"/> PSYC3350/46-335 <input type="checkbox"/> PSYC3370/46-337 or	<input type="checkbox"/> PSYC1160/46-116 <input type="checkbox"/> PSYC3130/46-313 <input type="checkbox"/> PSYC3530/46-353 <input type="checkbox"/> PSYC4230/46-423 or	<input type="checkbox"/> PSYC2230/223 <input type="checkbox"/> PSYC3220/46-322 or <input type="checkbox"/> PSYC3230/46-323 <input type="checkbox"/> PSYC3580/46-358 <input type="checkbox"/> PSYC4570/46-457	30 (10)
Biology or Psychology	<input type="checkbox"/> BIOL3230/55-323 or <input type="checkbox"/> PSYC3550/46-355			3 (1)
Chemistry	<input type="checkbox"/> CHEM1100/59-140 <input type="checkbox"/> BIOC2010/59-261	<input type="checkbox"/> CHEM1110/59-141	<input type="checkbox"/> CHEM2300/59-230	12 (4)
Biology/Psych/Biomed/Chem/ Kinesiology (3XXX/4XXX level)	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	12 (4)
Statistics	<input type="checkbox"/> SOSC2500/02-250 or <input type="checkbox"/> STAT2910/65-205			3 (1)
Paired Science Courses (Physics, CompSci, EnviroSci)	<input type="checkbox"/> _____	<input type="checkbox"/> _____		6 (2)
Research Design	<input type="checkbox"/> PSYC2300/46-230 (or <input type="checkbox"/> BIOL3022/55-320)			3 (1)
Undergrad Research Project (all except PSYC are 6 credits)	<input type="checkbox"/> BIOL4904/55-420 or <input type="checkbox"/> PSYC4960/46-496 & PSYC4970/46-497 or <input type="checkbox"/> BIOM4904 or <input type="checkbox"/> CHEM4900/59-410 (6 credits) or <input type="checkbox"/> KINE4780/0795-478			6 (2)
Arts & Social Science (not Psychology)	<input type="checkbox"/> _____	<input type="checkbox"/> _____		6 (2)
Any area of study	<input type="checkbox"/> _____	<input type="checkbox"/> _____ (MATH1720 or MATH1760 is recommended)		6 (2)

* a) All courses in table are new course # / old course # b) numbers in brackets indicate #courses)

** Note: BIOM 3750 counts only as Science or Any area of study course, not BIOL/BIOM.

“RECOMMENDED” COURSE SEQUENCE

NOTE: * RECOMMEND 5 COURSES PER SEMESTER AND, FOLLOWING SEQUENCE TO PREVENT COURSE CONFLICTS*

Fall Semester

Winter Semester

Year 1:

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| <input type="checkbox"/> BIOL 1101 Cell Biology | <input type="checkbox"/> BIOL 1111 Biological Diversity |
| <input type="checkbox"/> CHEM 1100 General Chemistry I | <input type="checkbox"/> CHEM 1110 General Chemistry II |
| <input type="checkbox"/> PSYC 1150 Psychology as Behavioural Science | <input type="checkbox"/> PSYC 1160 Psychology as Social Science |

Paired Courses: <input type="checkbox"/> Computer Science (COMP 1047 or 2067) <i>and</i> or <input type="checkbox"/> Physics (PHYS 1300) <i>and</i> or <input type="checkbox"/> Physics (PHYS 1400) <i>and</i> or <input type="checkbox"/> Earth & Envi. Science (ESCI 1100) <i>and</i> or <input type="checkbox"/> Earth & Envi. Science (ESCI 1130) <i>and</i>	<input type="checkbox"/> Computer Science (COMP 2057) <input type="checkbox"/> Physics (PHYS 1310) <input type="checkbox"/> Physics (PHYS 1410) <input type="checkbox"/> Earth & Envi. Science (ESCI 1111) <input type="checkbox"/> Earth & Envi. Science (ESCI 2400)
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| <input type="checkbox"/> Arts/Social Science or <input type="checkbox"/> Any area of study option or <input type="checkbox"/> MATH 1720 | <input type="checkbox"/> SOSC 2500 Statistics or STAT 2910 |
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Year 2:

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|--|---|
| <input type="checkbox"/> BIOL 2040 Human Physiology | <input type="checkbox"/> BIOM 2131 Introductory Molecular Biology |
| <input type="checkbox"/> BIOL 2101 Ecology | <input type="checkbox"/> BIOL 2480 Principles of Neuroscience |
| <input type="checkbox"/> BIOL 2111 Genetics | <input type="checkbox"/> BIOC 2010 Organic Chemistry of Biomolecules |
| <input type="checkbox"/> CHEM 2300 Introductory Organic Chemistry | <input type="checkbox"/> PSYC 2560 Intro. To Brain & Human Behaviour |
| <input type="checkbox"/> PSYC 2300*1 Social Science Research Methods | <input type="checkbox"/> Arts/Social Science or <input type="checkbox"/> Any area of study option |

Year 3:

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| <input type="checkbox"/> PSYC 2230 Developmental Psychology: The Child | <input type="checkbox"/> BIOL 3142 Evolution |
| <input type="checkbox"/> PSYC 3130 Advanced Statistics | <input type="checkbox"/> BIOL 3230 Animal Behavior |
| <input type="checkbox"/> PSYC 3530 Learning and Behavior | <input type="checkbox"/> PSYC 3220 Child Psychopathy [OR <input type="checkbox"/> PSYC 3230 in Year 4 (see below)] |

Remaining courses include PSYC 3580 Cognitive Processes (offered in F and W) and 4 Option courses.

Year 4:

<input type="checkbox"/> BIOL4904 or <input type="checkbox"/> PSYC4960 or <input type="checkbox"/> BIOM4904 or <input type="checkbox"/> CHEM4900 or <input type="checkbox"/> KINE4780 Research Project*2	<input type="checkbox"/> BIOL4904 or <input type="checkbox"/> PSYC4970 or <input type="checkbox"/> BIOM4904 or <input type="checkbox"/> CHEM4900 or <input type="checkbox"/> KINE4780 Research Project*2
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|---|---|
| <input type="checkbox"/> PSYC 3350 Human Sensation and Perception | <input type="checkbox"/> BIOL 4450 Behavioural Neurobiology |
| | <input type="checkbox"/> BIOL 4481 Excitable Cells |

One of:

<input type="checkbox"/> PSYC 4230 Advanced Developmental Cognitive Psychology	OR	<input type="checkbox"/> PSYC 3370 Human Cognitive Neuroscience
	OR	<input type="checkbox"/> PSYC 4570 Comparative Cognition

Remaining courses include Option courses and/or choices from the following:

- PSYC 3230 Developmental Disabilities: Psychobiological (offered F and W) [OR PSYC 3220 in Year 3 (see above)]

*1 BIOL 3022 Experimental Principles & Design may be taken as an alternative course

*2 The thesis will be within the subject area of behaviour, cognition or neuroscience.

Suggested Options:

Biology, Chemistry & Psych Courses

- BIOL 2050 Human Physiology II
- BIOL 3212 Environmental Physiology
- BIOL 3241 Biology of Fishes
- BIOL 3250 Population and Community Ecology
- BIOL 3261 Ornithology
- BIOL 3571 Animal Cells & Tissues
- BIOM 3500 Molecular Cell Biology
- BIOM 3550 Embryology
- BIOM 4440 Neurophysiology
- BIOC 3130 Protein and Nucleic Acid Chemistry

****Kinesiology courses**

- KINE 3020 Exercise and Fitness Psychology
- KINE 3100 Motor Learning and Control
- KINE 4530 Perceptual-Motor Development
- KINE 4580 The Endocrine System in Sport, Exercise & Health
- KINE 3610 Chronic Disease and Exercise Rehabilitation
- KINE 4640 Pathophysiology of Pain

** See the Department of Kinesiology’s website for additional course descriptions: www.uwindsor.ca/kinesiology/undergrad-programs

** Please note: All students selecting a Kinesiology course MUST be signed in by the Prof who teaches the course, or the Kinesiology Dept. Head

Note: Obtaining a biochemistry or chemistry minor is possible if proper options are taken (see Registrar’s Office or Chem/Biochem Advisor).