

DEGREE REQUIREMENTS CHECKLIST

LA&PS - COGNITIVE SCIENCE

SPECIALIZED HONOURS BA PROGRAM 120 CREDITS REQUIRED (Major in Cognitive Science)

GENERAL EDUCATION REQUIREMENTS 21 CREDITS

- To fulfill the General Education requirements students must take 21 credits of General Education, including:
- A 6.00 credit course in Natural Science (NATS);
- A 9.00 credit approved General Education course in the Social Science or Humanities categories;
- A 6.00 credit approved General Education course in the opposite category to the 9.00 credit course in Social Science or Humanities already taken.

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name

COGNITIVE SCIENCE REQUIREMENTS 48 or 51 CREDITS

A. Core Program Courses

27 or 30 credits – Students must take all of the following courses

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		AP	LING 1000	6.0	Introduction to Linguistics OR Mind and Language
			COGS/LING 2800	3.0	
		HH	PSYC 1010	6.0	Introduction to Psychology
		HH	PSYC 2260	3.0	Cognition
		AP	COGS/PHIL 2160	3.0	Minds, Brains, and Machines
		AP	PHIL 3260	3.0	Philosophy of Psychology
		AP	COGS/PHIL 3750	3.0	Philosophy of Artificial Intelligence
		AP	COGS 4750	6.0	Honours Thesis in Cognitive Science OR
			COGS 4901	6.0	Honours Seminar in Cognitive Science, not both

B. Lower-level Computer Science, Information Technology, Linguistics, Philosophy, Psychology

Students must take 6 credits from the following list of courses

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		LE	EECS 1022	3.0	Programming for Mobile Computing
		LE	EECS 2001	3.0	Introduction to the Theory of Computation
		LE	EECS 2030	3.0	Advanced Object Oriented Programming
		AP	ITEC 1000	3.0	Introduction to Information Technologies
		AP	ITEC 1010	3.0	Information and Organizations
		AP	LING 2120	3.0	Fundamentals of Phonological Analysis
		AP	LING 2130	3.0	Fundamentals of Morphological Analysis
		AP	LING 2140	3.0	Fundamentals of Grammatical Analysis
		AP	PHIL 2100	3.0	Introduction to Logic
		AP	PHIL 2240	3.0	Introduction to the Philosophy of Mind
		HH	PSYC 2020	6.0	Statistical Methods I and II
		HH	PSYC 2021	3.0	Statistical Methods I
		HH	PSYC 2030	3.0	Introduction to Research Methods

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
C. Mid-level Computer Science, Information Technology, Linguistics, Philosophy, Psychology					
Students must take 9 credits from two different disciplines/departments					
		LE	EECS 2011	3.0	Fundamentals of Data Structures
		LE	EECS 3401	3.0	Introduction to Artificial Intelligence and Logic Programming
		AP	ITEC 3230	3.0	Designing User Interfaces
		AP	LING 3120	3.0	Phonology
		AP	LING 3140	3.0	Syntax
		AP	LING 3150	3.0	Semantics
		AP	LING 3210	3.0	First Language Acquisition
		AP	LING 3220	3.0	Psycholinguistics
		AP	PHIL 3265	3.0	Philosophy of Mind
		HH	PSYC 2110	3.0	Developmental Psychology
		HH	PSYC 2120	3.0	Social Psychology
		HH	PSYC 2220	3.0	Sensation and Perception I
		HH	PSYC 2240	3.0	Biological Basis of Behaviour
		HH	PSYC 3250	3.0	Neural Bases of Behaviour
		HH	PSYC 3265	3.0	Memory
		HH	PSYC 3280	3.0	Animal Behaviour
		HH	PSYC 3290	3.0	Psycholinguistics
D. Upper-level Computer Science, Linguistics, Philosophy, Psychology					
Students must take 6 credits from two different disciplines/departments					
Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		LE	EECS 4401	3.0	Artificial Intelligence
		LE	EECS 4421	3.0	Introduction to Robotics
		LE	EECS 4422	3.0	Computer Vision
		LE	EECS 4441	3.0	Human-Computer Interaction
		AP	LING 4120	3.0	Advanced Phonology
		AP	LING 4140	3.0	Advanced Syntax
		AP	LING 4150	3.0	Topics in the Syntax-Semantics Interface
		AP	LING 4250	3.0	Evolution of Language
		AP	LING 4230	3.0	Language and the Brain
		AP	PHIL 3200	3.0	Philosophy of Language
		AP	PHIL 3635	3.0	Philosophy of Neuroscience
		AP	PHIL 4080	3.0	Seminar in the Philosophy of Mind
		AP	PHIL 4082	3.0	Philosophy of Cognitive Science
		AP	PHIL 4083	3.0	Philosophy of Clinical Psychology
		AP	PHIL 4084	3.0	Animals & the Philosophy of Mind
		HH	PSYC 4010	3.0/6.0	Seminar in Developmental Psychology
		HH	PSYC 4020	3.0/6.0	Seminar in Social Psychology
		HH	PSYC 4080	6.0	Neuropsychology of Abnormal Behavior
		HH	PSYC 4285	3.0	Seminar in Comparative Cognition
		HH	PSYC 4230	3.0	Human Performance in Systems
		HH	PSYC 4260	3.0	Seminar in Sensation and Perception
		HH	PSYC 4270	3.0	Seminar in Memory and Cognition

In addition to the above course requirements, please note further requirements on next page.

STUDENTS MUST COMPLETE:

RESIDENCE REQUIREMENT: At least 30 credits must be taken at York and at least half of the credits in the major must be In-Faculty

UPPER LEVEL REQUIREMENT: Students must meet the upper-level requirement, which is **36 credits** at the 3000 level or 4000 level. A minimum of **18 credits** must be at the 4000 level. Students should consult the most recent Undergraduate Calendar for their chosen program and major for specific requirements.

FOUNDATION LIMIT: Faculty of Liberal Arts & Professional Studies students may complete a maximum of three 9 credit Foundation courses for degree credit.

COURSE PREREQUISITES: Please see the Cognitive Science Course Requirements chart for all course prerequisites, cross-listed courses and course credit exclusions and substitutions.

For further details on requirements for the Minor BA program (with Cognitive Science as a Minor), refer to the listings for specific Honours programs that may be pursued jointly with other Faculties.