

DEGREE REQUIREMENTS CHECKLIST

LA&PS - COGNITIVE SCIENCE

SPECIALIZED HONOURS BA PROGRAM

120 CREDITS REQUIRED

GENERAL EDUCATION REQUIREMENTS

24 CREDITS

- One 1000-level 9 credit Foundations course, in either the Division of Humanities or the Division of Social Science;
- One 1000-level 6 credit course in the Division of Natural Science or in the Department of Biology, Chemistry, Earth and Atmospheric Science, or Physics;
- One 2000-level 9 credit Foundations course, in either the Division of Humanities or the Division of Social Science. If the 1000-level 9 credit Foundations course is taken in the Division of Humanities, then the 2000-level 9 credit Foundations course must be taken in the Division of Social Science (and vice versa).

NOTE: It is strongly recommended that students choose from the following courses to meet the 1000 level General Education requirements:

- AP/SOSC 1140 9.0 or AS/SOSC 1440 9.0
- SC/NATS 1690 6.0, SC/NATS1675, SC/NATS1710, or SC/NATS1730
- AP/HUMA2915

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name

COGNITIVE SCIENCE REQUIREMENTS

54 CREDITS

I. Core Program Courses

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
		HH	PSYC 1010	6.0	Introduction to Psychology
		AP	COGS/PHIL 3750	3.0	Philosophy of Artificial Intelligence
		AP	PHIL 3265	3.0	Philosophy of Mind
		AP	PHIL 3260	3.0	Philosophy of Psychology
		HH	PSYC 3260	3.0	Cognition
		AP	COGS/PHIL 4750	6.0	Honours Thesis in Cognitive Science OR Honours Seminar in Cognitive Science, not both
		AP	COGS/PHIL 4900	6.0	

II. Analytical**Students must take 6 credits from the following list of courses**

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		SC	CSE 1020	3.0	Introduction to Computer Science I
		SC	CSE 1030	3.0	Introduction to Computer Science II
		SC	CSE 2001	3.0	Introduction to the Theory of Computation
		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 2140	3.0	Fundamentals of Grammatical Analysis
		AP	PHIL 2100	3.0	Introduction to Logic
		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

III. Introductory Philosophy**Students must take 3 credits from the following list of courses**

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		AP	PHIL 2160	3.0	Minds, Brains, and Machines
		AP	PHIL 2240	3.0	Introduction to the Philosophy of Mind

IV. Mid-level Computer Science, Linguistics, Psychology**Students must take 9 credits from two different disciplines/departments**

Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		SC	CSE 2011	3.0	Fundamentals of Data Structure
		SC	CSE 3401	3.0	Functional and Logic Programming
		SC	CSE 3402	3.0	Intro to Concepts of Artificial Intelligence
		AP	ITEC 3230	3.0	Designing User Interfaces
		AP	LING 3120	3.0	Phonology
		AP	LING 3140	3.0	Syntax
		AP	LING 3210	3.0	First Language Acquisition
		AP	LING 3220	3.0	Psycholinguistics
		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
<i>V. Upper level Computer Science, Linguistics, Psychology, Philosophy</i>					
Students must take 6 credits from two different disciplines/departments					
Date Completed	Assigned Grade	Faculty	Course Code	Credits	Course Name
		SC	CSE 4401	3.0	Artificial Intelligence
		SC	CSE 4421	3.0	Introduction to Robotics
		SC	CSE 4422	3.0	Computer Vision
		SC	CSE 4441	3.0	Human-Computer Interaction
		AP	LING 4120	3.0	Phonological Theories
		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 Perception
		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 4180	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

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 Arts 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.