

## DEGREE REQUIREMENTS CHECKLIST

For students entering in 2016---2017

### LA&PS --- COGNITIVE SCIENCE

#### SPECIALIZED HONOURS BA PROGRAM

120 CREDITS REQUIRED

#### 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 Complete	Assigned Grade	Faculty	Course Code	Credits	Course Name
			HUMA or SOSC	9.00	1xxx
			NATS	6.00	1xxx
			SOSC or HUMA	6.00	1xxx

#### COGNITIVE SCIENCE REQUIREMENTS

48 or 51 CREDITS

*Core Program Courses (1) - 27 or 30 credits – Students must take all of the following courses*

Date Complete	Assigned Grade	Faculty	Course Code	Credits	Course Name
		AP	LING 1000	6.00	Introduction to Linguistics <b>OR</b>
			COGS/LING2800	3.00	Mind and Language
		HH	PSYC 1010	6.00	Introduction to Psychology
		HH	PSYC 3260	3.00	Cognition
		AP	COGS/PHIL2160	3.00	Minds, Brains, and Machines
		AP	PHIL 3260	3.00	Philosophy of Psychology
		AP	COGS/PHIL3750	3.00	Philosophy of Artificial Intelligence
		AP	COGS4750	6.00	Honours Thesis in Cognitive Science <b>OR</b>
			COGS4901	6.00	Honours Seminar in Cognitive Science, <b>not both</b>

*Analytical (2) - Students must take 6 credits from the following list of courses*

Date Complete	Assigned Grade	Faculty	Course Code	Credits	Course Name
		LE	EECS 1020	3.00	Introduction to Computer Science I
		LE	EECS 1012	3.00	Net-Centric Introduction to Computing
		LE	EECS 1022	3.00	Introduction to Software Development
		LE	EECS 1030	3.00	Introduction to Computer Science II
		LE	EECS 2030	3.00	Advanced Object-Oriented Programming
		LE	EECS 2001	3.00	Introduction to the Theory of Computation
		AP	ITEC 1000	3.00	Introduction to Information Technologies
		AP	ITEC 1010	3.00	Information and Organizations
		AP	LING 2120	3.00	Fundamentals of Phonological Analysis
		AP	LING 2130	3.00	Fundamentals of Morphological Analysis
		AP	LING 2140	3.00	Fundamentals of Grammatical Analysis
		AP	PHIL 2100	3.00	Introduction to Logic
		AP	PHIL 2240	3.00	Introduction to the Philosophy of Mind
		HH	PSYC 2020	6.00	Statistical Methods I and II
		HH	PSYC 2021	3.00	Statistical Methods I
		HH	PSYC 2030	3.00	Introduction to Research Methods

*Mid---level Computer Science, Linguistics, Psychology, Philosophy (3)*

**Students must take 9 credits from two different disciplines/departments**

Date Complete	Assigned Grade	Faculty	Course Code	Credits	Course Name
		LE	EECS 2011	3.00	Fundamentals of Data Structures
		LE	EECS 3401	3.00	Introduction to Artificial Intelligence and Logic Programming
		AP	ITEC 3230	3.00	Designing User Interfaces
		AP	LING 3120	3.00	Phonology
		AP	LING 3140	3.00	Syntax
		AP	LING 3150	3.00	Semantics
		AP	LING 3210	3.00	First Language Acquisition
		AP	LING 3220	3.00	Psycholinguistics
		AP	PHIL 3265	3.00	Philosophy of Mind
		HH	PSYC 2110	3.00	Developmental Psychology
		HH	PSYC 2120	3.00	Social Psychology
		HH	PSYC 2220	3.00	Sensation and Perception I
		HH	PSYC 2240	3.00	Biological Basis of Behaviour
		HH	PSYC 3250	3.00	Neural Bases of Behaviour
		HH	PSYC 3265	3.00	Memory
		HH	PSYC 3280	3.00	Animal Behaviour
		HH	PSYC 3290	3.00	Psycholinguistics

*Upper level Computer Science, Linguistics, Psychology, Philosophy (4)*

**Students must take 6 credits from two different disciplines/departments**

Date Complete	Assigned Grade	Faculty	Course Code	Credits	Course Name
		LE	EECS 4401	3.00	Artificial Intelligence
		LE	EECS 4421	3.00	Introduction to Robotics
		LE	EECS 4422	3.00	Computer Vision
		LE	EECS 4441	3.00	Human---Computer Interaction
		AP	LING 4120	3.00	Advanced Phonology
		AP	LING 4140	3.00	Advanced Syntax
		AP	LING 4150	3.00	Topics in the Syntax---Semantics Interface
		AP	LING 4250	3.00	Evolution of Language
		AP	PHIL 3200	3.00	Philosophy of Language
		AP	PHIL 3635	3.00	Philosophy of Neuroscience
		AP	PHIL 4080	3.00	Seminar in the Philosophy of Mind
		AP	PHIL 4082	3.00	Philosophy of Cognitive Science
		AP	PHIL 4083	3.00	Philosophy of Clinical Psychology
		AP	PHIL 4084	3.00	Animals & the Philosophy of Mind
		HH	PSYC 4010	3.00/6.00	Seminar in Developmental Psychology
		HH	PSYC 4020	3.00/6.00	Seminar in Social Psychology
		HH	PSYC 4080	6.00	Neuropsychology of Abnormal Behavior
		HH	PSYC 4180	3.00	Seminar in Comparative Cognition
		HH	PSYC 4230	3.00	Human Performance in Systems
		HH	PSYC 4260	3.00	Seminar in Sensation and Perception
		HH	PSYC 4270	3.00	Seminar in Memory and Cognition

**Please note that the above requirements apply primarily to students entering in 2015---2016; other students should consult earlier versions of the Degree Requirements found on the Cognitive Science program website: <http://www.yorku.ca/laps/phil/cogs/index.html>**

**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.

## IMPORTANT INFORMATION AND RESOURCES

For an online version of your degree requirements, use the **Degree Progress Report** found here: [www.registrar.yorku.ca/mydegreeprogress](http://www.registrar.yorku.ca/mydegreeprogress)

**PLEASE NOTE:** This manual Degree Checklist is **only a guide** designed to assist students with degree requirements and course selection. It is not intended as the official confirmation of a student's eligibility to graduate as requirements may change from year to year. Satisfaction of all degree requirements will be officially determined by the Registrar's Office upon application to graduate. Students are advised to make sure they are following the correct degree requirements by checking the Undergraduate Calendar of the year in which they entered their program.

**Academic Calendars:** [calendars.registrar.yorku.ca](http://calendars.registrar.yorku.ca)

**Academic Advising:** School of Administrative Studies, 282 Atkinson College  
416-736-5210, [apsas@yorku.ca](mailto:apsas@yorku.ca)  
[www.yorku.ca/laps/sas](http://www.yorku.ca/laps/sas)  
LAPS Student Academic Advising Services, 103 Central Square  
416-736-5222, [laps@yorku.ca](mailto:laps@yorku.ca)  
[LAPS Student Academic Advising Services](#)

**Registration & Fees:** Student Client Services, Bennett Centre for Student Services  
(416) 872-YORK (9675)  
[www.yorku.ca/scsweb](http://www.yorku.ca/scsweb)

**Other resources:** [yustart.info.yorku.ca/all-resources-a-z](http://yustart.info.yorku.ca/all-resources-a-z)

**Department Contact Information:** S448 Ross Building  
(416) 736-5113  
Program Director: [khalidi@yorku.ca](mailto:khalidi@yorku.ca)