

**Faculty of Liberal Arts & Professional Studies**  
**Department of Philosophy**  
**Bachelor of Arts- Cognitive Science (Specialized Honours)**  
**Program Checklist for 2023-2024**

GENERAL EDUCATION - 21 Credits 21 credits at the 1000 level, chosen from 3 different general education categories	Credit	Complete or Incomplete	Grade	Notes
1) Humanities or Social Science:	9.00			
2) Humanities or Social Science: (whichever is not taken in line 1)	6.00			
3) Natural Science:	6.00			
<b>Total General Education Credits</b>	<b>21.00</b>			
MAJOR – 57 Credits				
i) Core Program Courses: 27 Credits				
HH PSYC 1010 Introduction to Psychology	6.00			
AP COGS/PHIL 2160 Minds, Brains, and Machines	3.00			
AP COGS/LING 2800 Language and Mind	3.00			
AP PHIL 2240 Introduction to the Philosophy of Mind	3.00			
HH PSYC 2260 Cognition	3.00			
AP COGS/PHIL 3750 Philosophy of Artificial Intelligence	3.00			
AP COGS 4750 Honours Thesis in Cognitive Science <u>or</u> AP COGS 4901 Honours Seminar in Cognitive Science	6.00 <u>or</u> 6.00			
ii) Themes: 30 Credits. Choose ONE theme from Group A and a SECOND theme from Group A or Group B				
Group A Themes - 15 Credits each				
LINGUISTICS				
<b>6 Credits chosen from the following:</b>				
AP LING 2120 3.00 Phonology 1: Analysis	3.00			
AP LING 2130 3.00 Morphology 1: Analysis	3.00			
AP LING 2140 3.00 Syntax 1: Analysis				
<b>6 Credits chosen from the following:</b>				
AP LING 3120 3.00 Phonology 2: Theory				
AP LING 3140 3.00 Syntax 2: Theory	3.00			
AP LING 3150 3.00 Semantics	3.00			
AP LING 3210 3.00 First Language Acquisition				
AP LING 3220 3.00//HH PSYC 3290 3.00 Psycholinguistics				
<b>3 Credits chosen from the following:</b>				
AP LING 4120 3.00 Advanced Phonology				
AP LING 4140 3.00 Advanced Syntax	3.00			
AP LING 4150 3.00 Topics in the Syntax---Semantics Interface				
AP LING 4230 3.00 Language and the Brain				
AP LING 4250 3.00 Evolution of Language				
PHILOSOPHY				
AP PHIL 2100 Introduction to Logic	3.00			
<b>12 Credits chosen from the following:</b>				
AP PHIL 3200 3.00 Philosophy of Language				
AP PHIL 3260 3.00 Philosophy of Psychology	3.00			
AP PHIL 3265 3.00 Philosophy of Mind	3.00			
AP PHIL 3635 3.00 Philosophy of Neuroscience	3.00			
AP PHIL 4080 3.00 Seminar in the Philosophy of Mind	3.00			
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				
AP PHIL 4085 3.00 Seminar in Philosophy of Psychiatry				
AP PHIL 4350 3.00 Seminar in Philosophy of Language				

<b>PSYCHOLOGY</b>				
HH PSYC 2021 3.00 Statistical Methods I	3.00			
HH PSYC 2030 3.00 Introduction to Research Methods	3.00			
<b>3 Credits chosen from the following:</b>				
HH PSYC 2022 3.00 Statistical Methods II	3.00			
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				
<b>3 Credits chosen from the following:</b>				
HH PSYC 3250 3.00 Neural Bases of Behaviour	3.00			
HH PSYC 3255 3.00 The Psychology of Reasoning, Judgement & Decision-Making				
HH PSYC 3265 3.00 Memory				
HH PSYC 3280 3.00 Animal Behaviour				
HH PSYC 3290 3.00//AP LING 3220 3.00 Psycholinguistics				
<b>3 Credits chosen from the following:</b>				
HH PSYC 4010 3.00/6.00 Seminar in Developmental Psychology	3.00			
HH PSYC 4020 3.00/6.00 Seminar in Social Psychology				
HH PSYC 4080 6.00 Neuropsychology of Abnormal Behavior				
HH PSYC 4260 3.00 Seminar in Sensation and Perception				
HH PSYC 4270 3.00 Seminar in Memory and Cognition				
HH PSYC 4285 3.00 Seminar in Comparative Cognition				
<b>Group B Themes - 15 Credits each</b>				
<b>ARTIFICIAL INTELLIGENCE</b>				
AP ITEC 1620 3.00 Object-Based Programming	3.00			
SC MATH 2565 3.00 Introduction to Applied Statistics	3.00			
AP ITEC 2600 3.00 Introduction to Analytical Programming	3.00			
AP ITEC 3040 3.00 Introduction to Data Analytics	3.00			
AP ITEC 4310 3.00 Applied Artificial Intelligence	3.00			
<b>HUMAN-COMPUTER INTERACTION</b>				
LE EECS 1012 3.00 <u>or</u> EECS 1015 3.00 Introduction to Computing	3.00			
LE EECS 1022 3.00 Programming for Mobile Computing	3.00			
LE EECS 2030 3.00 Advanced Object-Oriented Programming	3.00			
LE EECS 3461 3.00 User Interfaces	3.00			
LE EECS 4441 3.00 Human-Computer Interaction	3.00			
<b>MACHINE LEARNING</b>				
LE EECS 1012 3.00 <u>or</u> EECS 1015 3.00 Introduction to Computing	3.00			
LE EECS 1022 3.00 Programming for Mobile Computing	3.00			
LE EECS 2030 3.00 Advanced Object-Oriented Programming	3.00			
SC MATH 1131 3.00 Introduction to Statistics <u>or</u> SC MATH 2030 3.00 Elementary Probability	3.00			
LE EECS 4404 3.00 Introduction to Machine Learning & Pattern Recognition	3.00			
<b>Total Major</b>	<b>57.00</b>			
<b>Credits Outside the Major – at least 18 Credits</b>				
Course Outside Major:	6.00			
Course Outside Major:	6.00			
Course Outside Major:	6.00			
<b>Total Credits Outside the</b>	<b>18.00</b>			
<b>Free Choice: 24 Credit</b>				
Any Course:	6.00			
Any Course:	6.00			
Any Course:	6.00			
Any Course:	6.00			
<b>Total Free Choice Credits</b>	<b>24.00</b>			
<b>TOTAL DEGREE CREDITS</b>	<b>120.00</b>			

## Requirement Checklist and Notes

(To ensure graduation, each box must be checked as completed.)

- Residency Requirement: A minimum of 30 course credits and at least half (50 percent) of the course credits required in each undergraduate degree program major/minor must be taken at York University.
- Upper-level Requirement: At least 36 credits must be at the 3000 or 4000-level, including at least 18 credits at the 4000 level.
- Cumulative Grade Point Average (GPA) of at least 5.0.

NOTE: For the **general education** category, a minimum of 6.0 credits must be chosen from each of Humanities, Natural Science and Social Science. General Education courses are offered at the 1000 level. A maximum of 9 credits in Humanities and Social Science will count towards fulfillment of the General Education 21 credit requirements.

**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 Academic Calendar of the year in which they entered their program.

**Academic Advising:** LA&PS Student Academic Advising Services,  
103 Central Square (416) 736-5222, laps@yorku.ca

**Department Contact Information:** Department of Philosophy,  
South Ross, 448, (416) 736-5113, lapsphil@yorku.ca

**Registration & Fees:** Registrarial Services, Bennett Centre for Student Services (416) 872-YORK (9675)