

# Checklist for CogSci Majors

Use this to track progress in the major. There are three primary things to track: (1) Core courses, (2) Area of concentration, and (3) Additional courses

## Core Courses

*You must take 8 courses total, one from each group.*

<b>Computing</b>		<b>Neuroscience</b>	
CAAM 210	Introduction to Engineering Computation	NEUR 380	Fundamental Neuroscience Systems (also PSYC/BIOC 380)
COMP 130	Elements of Algorithms and Computation	NEUR 385	Fundamentals of Cellular and Molecular Neuroscience (also BIOC 385)
COMP 140	Computational Thinking	PSYC 362	Cognitive Neuroscience: Exploring the Living Brain
COMP 160	Introduction to Game Programming in Python	PSYC 375	Neuropsychology of Language and Memory
PSYC 342	Computer Applications in Psychology	PSYC 432	Brain and Behavior
<b>Linguistics</b>		<b>Philosophy</b>	
LING 200	Introduction to the Scientific Study of Language	PHIL 103	Philosophical Aspects of Cognitive Science
LING 306	Language and the Mind	PHIL 305	Mathematical Logic
LING 315	Semantics	PHIL 312	Philosophy of Mind
<b>Psychology</b>		<b>Advanced Psychology</b>	
PSYC 203	Introduction to Cognitive Psychology	PSYC 308	Memory
		PSYC 309	Psychology of Language
		PSYC 351	Psychology of Perception
		PSYC 461	Reasoning, Decision Making, and Problem Solving
<b>Advanced Computing</b>		<b>Statistics</b>	
COMP 182	Algorithmic Thinking	STAT 280	Elementary Applied Statistics
COMP 211	Principles of Program Design	STAT 305	Introduction to Statistics for Biosciences
PSYC 430	Computational Modeling of Cognitive Processes	STAT 310	Probability and Statistics (also ECON 307)
PHIL 357	Incompleteness, Undecidability, and Computability	PSYC 339	Statistical Methods in Psychology

## Area of Concentration

*Choose exactly one*

Psychology

Neuroscience

Linguistics

Philosophy

### **Additional Courses**

*At least three and no more than four can be in one of the concentration areas listed above. Note that you may not use the same course to fulfill a core requirement and an additional course requirement—no double counting. Also, no more than 6 credits of independent research may be applied toward the major (includes CSCI 390, 481, and 482).*

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.