

Undergraduate Certificate in Mind and Brain

The Mind & Brain certificate provides students majoring in different programs with cross-disciplinary training in several ancillary fields that study various aspects of the mind and brain. The program requires two introductory courses from two different fields (LING, PHIL, PSYC), and two junior/senior level electives.

Requirements for the Undergraduate Certificate in Mind and Brain

Code	Title	Hours
LING 110	Language and Mind	3
Choose one course from the following:		3
PHIL 140	Introduction to Philosophy	
PHIL 150	Philosophical Communication	
PSYC 104	General Psychology	
Choose 2 of the following:		6
LING/ANTH 320	Language in Culture and Society	
LING 435	Psycholinguistics I	
LING 438	Neurolinguistics I	
PHIL 386	Modern Philosophy from Descartes to Kant	
PHIL 622	Philosophy of Social Science	
PHIL 654	Philosophy of Mind	
PSYC 318	Cognitive Psychology	
PSYC 375	Cognitive Neuroscience	
PSYC/LING/ PHIL 418	Introduction to Cognitive Science	
Total Hours		12

At the completion of this program, students will be able to:

- Teach students the core concepts of inference and computing.
- Provide basic training in statistics from a computational perspective.
- Formulate effective questions that can be answered with data, computer programming, data management and wrangling, exploratory data analysis, statistical inference, and data-driven decision making.
- Apply data science to disciplinary problems.
- Gain one depth experience to understand one of the disciplines that use data science.