

AB Cognitive Science Concentration Requirements

[Required for new declarations starting January 2025]

[Seniors graduating in 2025 must continue under old requirements. Juniors with an approved declaration are covered under the old requirements, but may also refile under the new ones.]

Name: _____

Date of Plan: _____

The concentration requires **12 courses**. Please enter the course (number and title) and semester planned (or completed) for each requirement. A given course may only be counted towards one requirement.

2 Analysis Courses:

- Statistical Thinking (CPSY 0900 required) _____
- Research Methods (CPSY 1900/1901) *or* Laboratory in Computation (CPSY 1291 or 1492) _____

3 Foundation Courses in CPSY, one each from three of the following areas:¹

- (a) Introduction (CPSY 0010)
- (b) Cognition (CPSY 0200 *or* CPSY 0220)
- (b) Cognitive Neuroscience (CPSY 0400 *or* CPSY 0450)
- (c) Perception (CPSY 0500 *or* CPSY 0550)
- (d) Social/Developmental (CPSY 0610 *or* CPSY 0700)
- (e) Language (CPSY 0800)

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1 Foundation Course outside of CPSY, any one of the following:

LING 0100, NEUR 0010, SOC 0010; PHIL course on Ethics/Aesthetics, Political/Social Philosophy, Logic, Epistemology, Philosophy of Mind/Perception/Language; ANTH 0100, 0310, 0800, or any 1000-level course from the Socio-Cultural, Linguistic, or Biological Anthropology tracks.

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1 Foundation Course in Computation, any one of the following:

CPSY 0950, 1291, 1492, 1950; or any introductory CSCI course \geq 0111 with a programming component, (e.g. CSCI 0111, 0150, 0170, 0190, or higher)

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¹ Note: The combination of CPSY 0010, 0200, and 0450 is not permitted for CPSY Foundation courses. Other courses beyond those listed may fulfill the requirements but require prior approval by the concentration advisor on a case-by-case basis.

4 Electives, at least one from CPSY at the 1000 level, and at least two other courses at the 1000 level.²

Electives are advanced courses that provide a deeper understanding of Cognitive Science. They can be drawn from CPSY, PHIL, NEUR, SOC, ANTH, LING, or CSCI, and require approval of the concentration advisor.

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1 Capstone:

The purpose of the Capstone is to integrate material from Foundation course with the methods acquired from Analysis courses. The Capstone must be done during the Senior year, and can be fulfilled by the following:

- (b) An Honors research project.
- (c) A one-semester independent study (CPSY 1970 Directed Readings or CPSY 1980 Directed Research).²
- (d) A CPSY laboratory course (numbered CPSY **1_9_**).
- (e) A CPSY seminar course, such as a Topics course (numbered CPSY **1_80x**) or other seminar-style course at the 1000-level.

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Additional ScB Cognitive Science Concentration Requirements

[Required for new declarations starting January, 2025]

The ScB concentration requires 17 courses, including the 12 courses listed under the AB requirements and **5 additional STEM courses** related to the concentration. At least two of them must be CPSY courses at the 1000 level, with a CPSY laboratory course strongly recommended. The other three can be from APMA, BIOL, CSCI, CHEM, CPSY, MATH, NEUR, or PHYS, provided that they satisfy the concentration requirements of that department.³

- CPSY Laboratory or 1000-level course _____
- CPSY 1000-level course _____
- _____
- _____
- _____

² Note: Only two Independent Studies (CPSY 1970/1980) can be used to satisfy concentration requirements.

³ As with electives, you must provide a rationale for why the chosen STEM courses benefit your concentration.