

AB Cognitive Neuroscience Concentration Requirements

Effective April 2026

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 and Design (CPSY 1900) – *Certain CPSY or NEUR labs may be substituted with approval from the concentration advisor.*

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2 Foundation Courses in Cognition/Psychology, any two of the following:

- CPSY 0010 – Mind, Brain & Behavior
- CPSY 0100 – Learning & Conditioning
- CPSY 0200 – Human Cognition *or* CPSY 0400 – Cognitive Neuroscience *or* CPSY 0450 – Brain Damage & Mind¹
- CPSY 0500 – Perception & Mind
- CPSY 0550 – Science of Consciousness
- CPSY 0610 – Children’s Thinking *or* CPSY0700 – Social Psychology²

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

- NEUR 0010 – Foundations of Neuroscience – *If CPSY 0200, 400, or 450 are used as a Foundation Course in Cognition/Psychology, then NEUR 0010 must be used as a Foundation Course in Neuroscience.*
- CPSY 0400 – Cognitive Neuroscience *or* CPSY 0450 – Brain Damage & Mind

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

- CPSY 0950
- CPSY 1291
- CPSY 1492
- CPSY 1950
- Any CSCI course \geq 0111 with a programming component (e.g., CSCI 0111, 0150, 0170, 0190)
- NEUR 0680

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¹ Only one of these courses can be used to satisfy this requirement.

² Only one of these courses can be used to satisfy this requirement.

5 Electives:

Electives are advanced courses that provide a deeper understanding of Cognitive Neuroscience and should be drawn from CPSY or NEUR, with **at least three** courses at the 1000 level. **At least one** elective must be from the NEUR department. Courses from other departments with relevance to Cognitive Neuroscience may be included with approval from the concentration advisor.

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1 Capstone:

The Capstone is meant to integrate material from Foundation courses with the methods acquired from Analysis courses. The Capstone must be done during the seventh or eighth semester of Senior year, and can be fulfilled by completing any of the following:

- An Honors research project. (2 semesters of CPSY 1980 – Directed Research)
- A one-semester independent study course (CPSY 1970 – Directed Readings or CPSY 1980 – Directed Research)³
- A CPSY or NEUR laboratory course
- A CPSY seminar course at the 1000-level
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Additional ScB Cognitive Science Concentration Requirements

The ScB concentration requires **17 courses**: the 12 courses listed under the AB requirements plus 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.⁴

- CPSY Laboratory or 1000-level course _____
- CPSY 1000-level course _____
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- _____
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³ Only two Independent Studies (CPSY 1970/1980) can be used to satisfy concentration requirements.

⁴ As with electives, you must provide a rationale for why the chosen STEM courses benefit your concentration.