

## Five-College Certificate Program in Cognitive Neuroscience

(Students applying for the Certificate should complete this form in consultation with a program advisor from their campus. Program advisors will bring signed applications to a Five College meeting of program advisors for final approval. Each application should be accompanied by an informal transcript. Five Colleges will inform campus registrars when awards are approved.)

### **Student**

Name \_\_\_\_\_

Institution \_\_\_\_\_

Campus Address \_\_\_\_\_

Permanent Address (for mailing certificate):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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### **Students must complete at least one course in each of these areas of study:**

1. Overview of cognitive science

Rationale: Provides the student with a broad outlook of issues related to cognitive science.

Course: \_\_\_\_\_

2. Scientific foundations (physics, computer science, chemistry, biology)

Rationale: Provides the student with greater coverage of a topic supporting the cognitive neuroscience framework. To be determined under the guidance of the student's Cognitive Neuroscience Certificate faculty adviser. It is recommended that this course be in an area outside of the student's major.

Course (institutions where offered; number; title):

\_\_\_\_\_

3. Research methods, design and analysis

Rationale: Provides the student with the methodological foundation needed to understand, interpret, and conduct basic research.

Course (institutions where offered; number; title):

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4. Philosophy of mind

Rationale: Provides the student with fundamental philosophical insights on the mind-body problem, a key issue in the field of cognitive neuroscience.

Course (institutions where offered; number; title):

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5. Neuroscience (neuroanatomy and neurophysiology)

Rationale: Provides the basics in brain anatomy and function.

Course (institutions where offered; number; title):

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6. Advanced topics

Rationale: Provides more in-depth coverage of empirical and theoretical issues central to cognitive processes.

Course (institutions where offered; number; title):

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**Independent research:**

The student must also complete at least one semester of independent research through a thesis, course project, or special study. The course project may be completed in conjunction with one of the classes listed under the Research Methods areas. An adviser-approved summer research project would also meet the research requirement.

Title of project: \_\_\_\_\_

Brief description of research:

Program Adviser Signature: \_\_\_\_\_

Student Adviser Signature : \_\_\_\_\_

Date: \_\_\_\_\_

Campus: \_\_\_\_\_