

Ph.D Requirement Checklist for Visual and Cognitive Neuroscience (03.06)
Department of Psychology, North Dakota State University
(Approved by CSM, Grad. School, & University AA, Spring 2006)

Requirements are typically 33 months of full-time study, completing at least 60 semester hour credits.
Minimum of post-MS credits: 18 course credits, 21 research credits
Total graduate credits: 90 total, 36 didactic (18 at the 700 level).
Graduate Bulletin: http://www.ndsu.edu/gradschool/bulletin/d_psychology.html

1. A **master's degree in Psychology or related field.** Date completed _____

2. Complete **Quantitative and Research Methods** Course
_____ Advanced Research Methods and Analysis (Psyc 762); Semester Taken _____

3. Complete 3 Courses in the **Core of Visual and Cognitive Neuroscience**

700 Level
718 - Visual Neuroscience
720 - Cognitive Neuroscience
727 - Advanced Topics in Visual Perception
731 - Fundamental Processes in Cognition
760 - Neuroscience Research Methods
764 - Advanced Topics in Attention

NDSU 1st Course # _____ Semester & Year _____

NDSU 2nd Course # _____ Semester & Year _____

NDSU 3rd Course # _____ Semester & Year _____

(Psyc 760 may be repeated for credit with a change in topic given in the subtitle.)

4. Complete at least 1 **600 or 700 level breadth** course in area outside **topic area**.
Course _____ Semester Taken _____

5. **Teaching of Psychology.** Students will complete a graduate course in teaching strategies
Hum 702, Psyc 791 – The Teaching of Academic Psychology. _____
or Biol 705/Educ 705- Teaching College Science. _____

Also, all students will teach a full semester course in psychology for which the students should enroll for 5 credits in Psyc 794 - Teaching Practicum. Semester taught _____

6. Completing the requirements for #s 2, 3, 4, and 5 above fulfills the requirement of **36 credits** total (including MS courses) of approved didactic courses.

7. Participate in a continued program of **research apprenticeship** with at least one faculty member and, accordingly, enroll in Psyc 793 each semester for 1-5 credits.

8. Participate and fulfill the requirements for the **Graduate Seminar** (Psyc 790) each semester for 1 credit. This is the Psychology Department's Colloquium Series.

9. Select a **Major Advisor** – with the approval of the program/department chair
Suggested First term of First Year; conducted _____

10. Recruit an **Advisory Committee**, Meet with Advisory Committee Regarding Plan of Study
Coursework, and general directions for a topic/area of research
Suggested April of First Year; conducted _____

11. Prepare a **Plan of Study**, Receive Signed Approval of it from Committee members and
Department Chair, and deposit Plan of Study with Graduate College

Suggested April of First Year - Date Deposited with Graduate College _____

12. Complete a **major area paper** to serve as the comprehensive exam for Ph.D. candidacy.
Meet with Advisory Committee members regarding general directions for a topic and area of review
Suggested April of First Year _____

Write an acceptable major area paper - Date of Oral Defense _____
Suggested oral defense date, September of 2nd year

13. Write an acceptable **Dissertation Proposal** (suggested meeting time, October of 2nd year)
Date of Proposal Meeting _____
Date of Dissertation Committee Approval _____

14. **Dissertation Credits**, enroll in Psyc 799 each semester while pursuing dissertation research
Not fewer than 6 credits and no more than 15 credits total

15. **Presentation of Dissertation Research.** A full presentation of each student's dissertation research to the faculty is expected, generally as part of the colloquium series.
Date of Presentation _____

16. Submit an acceptable **Dissertation** and successfully defend it (suggested April of 2nd year)
Date of Oral Defense _____
Date of Approval by Dissertation Committee _____
Date of Final Copy Approval by Graduate College _____

17. Complete at least **90 hours of graduate credit** including those completed for the master's degree. These credits must be earned with an overall GPA of 3.0 or better. Of this total of 90 credits, at least 60 credits must be earned at NDSU.

Possible breadth courses:

Psyc 782, Emotions

Psyc 735, Neural Networks

Zool 766, Neurophysiology

Psci 746, Neuropharmacology

Stat 661, Applied Regression Analysis

Stat 665, Meta-analysis Methods

Stat 725, Applied Statistics