

Program structure

<i>Semester 1 (9 credits)</i>	<i>Semester 2 (9 credits)</i>
<i>Quantitative Methods 1</i>	<i>Quantitative Methods 2</i>
<i>Core Cognitive Psych class 1</i>	<i>Core Cognitive Psych class 2</i>
<i>Research</i>	<i>Research</i>
<i>Semester 3 (9 Credits)</i>	<i>Semester 4 (9 credits)</i>
<i>Core Cognitive Psych class 3</i>	<i>Elective 2</i>
<i>Elective 1</i>	<i>Elective 3</i>
<i>Thesis/Capstone</i>	<i>Thesis/Capstone</i>

Program coursework

Required* quantitative methods classes	Research credit
PSY-GS 8858 Introduction to Statistical Inference (taken during the first semester)	PSY-GS 9960 Readings and Research in Psychology (3) *Two semesters during the first year
PSY-GS 8870 Correlation and Regression (taken during the second semester)	THESIS OR CAPSTONE (6 credit hours) *Two semesters during the second year PSY-GS 7999 Master’s Thesis Research (0-6) *Thesis option Other course(s) with program approval (6) *Non-thesis, capstone option
*More advanced quantitative methods courses (for students with a strong background in Statistics)	
PSY-GS-8882: Multilevel Modeling	
PSY-GS-8850 / PSY-PC-3749 Applied Nonparametric Statistics	
PSY-GS 8864 Experimental Design (ANOVA)	
PSY-GS 8867 Multivariate Statistics	
PSY-GS 8878/7878 Statistical Consulting	
PSY-GS 8350-01 / PSY-PC 7500-07 Individual Differences	
PSY-GS 8880/8881 Item Response Theory I/II	
PSY-GS 8850 Applied Bayesian Analysis for Latent Variable Modeling	
PSY 8218 Computational Modeling	
PSY 6220 Bayesian Modeling with Python	
PSY-GS 8873 Structural Equation Modeling	

Cognitive Psychology classes	
Core classes	Electives
Peabody College Classes	
PSY-PC 6460 Brain, Development and Cognition (Fall)	PSY-PC 7040 Psychological Foundations of Education (Fall, Spring, Summer)
PSY-PC 7500 Special Topics Psych and HD (Fall, Spring, Summer)	PSY-PC 7130 Intro to Formal Linguistics (Spring)
PSY-PC 7850 Research Methods Dev Psych (Fall) (it usually covers general research methods, not only developmental)	(Elective or Core?) PSY-PC 7160 Bilingualism and Second Language Learning (Spring)
PSY-GS 8360 Human Cognition (Spring)	PSY-PC 7170 Cognitive Science of Reading (Fall)
PSY-GS 8430 Advanced seminar: Cognitive Studies – Perspective-Taking in Communication (topic vary)	PSY-PC 7180 How we talk (Spring)
PSY-GS 8470 Cognitive Science to the Classroom (Spring)	PSY-PC 7190 Language and the Brain (Fall)
	PSY-PC 8400 Developmental Psychology (Fall)
	PSY-GS 8480 Educational Neuroscience
	PSY-GS 8500 Special Topics in Psychology (Fall and Spring)
	PSY-GS 8550 Neuroscience of Cognition and Behavior (Spring)
	PSY-GS 8600 Seminar in Social and Personality Development (Spring)
College of Arts and Science classes	
	PSY 4218 Computational Cognitive Modeling (alternate years)
	PSY 6218 Computational Cognitive Modeling (Spring)
	PSY 4775 Models of Human Memory (Alternate years)

	PSY 6775 Models of Human Memory (Alternate years)
	PSY 5780 The Visual System (Spring)
	PSY 6219 Scientific Computing for Psychological and Brain Science (Fall)
	PSY 8355 Diversity and Differentness (Spring)
	PSY 8505 Judgement and Decision-Making (Alternate years)
	PSY 8507 Computational Neuroscience of Human Vision (Alternate years)
	PSY 8543 Seminar: Perception (Spring)
	PSY 8551 Seminar: Cognitive Psychology (Fall and Spring)
	PSY 8557 Seminar in Cognitive Science (Fall and Spring)
	PSY 8906 Evolutionary Psychology (Spring)
Other	
	CS 4262 Foundations of Machine Learning (Spring)
	NURO 8330 Cognitive Neuroscience (Fall)
Students at the program can also take classes from the Department of Speech and Hearing	

Overall, program curriculum has a lot of flexibility. Upon approval, students can choose to take courses that fit with their research interests and future career goals although these courses may not be currently in this list.