



Cognitive Science Certificate
Department of Psychology
Ellis College of Arts and Sciences

Cognitive Science Certificate, a 12-13 credit-hour program (4 courses) introduces the burgeoning field of cognitive sciences stemming from philosophy, neuro-behavioral and quantitative sciences. In the wake of computer and internet technologies, cognitive sciences have focused on mental, cognitive and computational models to explain, and make use of human and machine minds. Students that complete this program will enrich their understanding about many evolving ideas in cognitive sciences, enabling them to analyze, evaluate, and interpret findings in the field.

Required Courses (6 credit hours)

Course Number	Course Title & Department	Hours
PHI4013	Philosophy of Mind (Philosophy)	3
PSY3153	Cognitive Psychology (Psychology)	3

Elective Courses (6-7 credits hours)

CSC2003	Introduction to Computers (Mathematics, Computer Sci. & Statistics)	3
ENG4663	Introduction to Linguistics (English)	3
GBU3133	Descriptive Analytics (School of Business)*	3
PHI4003	Special Topics: Mind Seminar (Philosophy)	3
PHI4233	Philosophy of Science (Philosophy)	3
PSY2143	Research Statistics (Psychology)*	3
PSY3083	Cognitive Neuroscience (Psychology)	3
SOC3103	Statistics (Sociology)*	3
STA2323	Statistical Methods (Mathematics, Computer Sci. & Statistics)*	3
STA2054	Applied Biostatistics (Mathematics, Computer Sci. & Statistics)	4

*Students may take only one from these courses.
 hours

Total Certificate Requirements: 12-13

Student Learning Outcomes

CLO1 Knowledge and Basic Concepts: Students will demonstrate knowledge of historical foundations, fundamental theories, and basic concepts in psychology.

CLO2 Understanding and Application: Students will demonstrate understanding and application of psychological principles, theories, concepts, and empirical findings to individual, social, and real world problems.

CLO3 Oral and Written Skills: Students will demonstrate effective oral and written communication skills.

Contact information

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