MINOR IN COMPUTATION AND COGNITION

Established by the School of Psychology in collaboration with the College of Computing and with support from the Schools of Physics and Mathematics, the Minor in Computation and Cognition is a highly interdisciplinary program that combines advanced computational training with the study of human cognition. Students will learn about the computational mechanisms underlying human cognition and use computational methods to better understand human cognition.

Code	Title	Credit Hours
Cognition Core		**6**
PSYC 3012	Introduction to Cognitive Psychology	
PSYC 4745	Physics of Cognition	
or PSYC 4690	Sensation and Perception: A Computational Perspective	
Computation Core		**3**
PSYC 2020	Psychological Statistics	
MATH 2552	Differential Equations	
CS 1332	Data Structures and Algorithms for Applications	
CS 3510	Design and Analysis of Algorithms	
Computation Elective		**3**
CS 3600	Introduction to Artificial Intelligence	
PSYC 4690	Sensation and Perception: A Computational Perspective	
PSYC 4745	Physics of Cognition	
CS 3630	Introduction to Perception and Robotics	
CS 4649	Robot Intelli Planning	
CS 4476	Introduction to Computer Vision	
CS 4641	Machine Learning	
CS 4650	Natural Language Understanding	
PHYS 4267	Nonlinear Dynamics and Chaos	
Cognition Elective		**3**
PSYC 2760	Human Language Processing	
PSYC 3040/4041	Sensation and Perception	
PSYC 4025	Learning and Memory	
PSYC 4090	Cognitive Neuroscience	
NEUR 4300	Neuroscience of Memory	
PSYC/CS 3790	Introduction to Cognitive Science	
PSYC 4740	Neuroethics	
PSYC 4010	Human Abilities	
PSYC 4031	Applied Experimental Psychology	
Total Credit Hours		**15**