COMPUTATION AND COGNITION

Master of Engineering in Computation and Cognition (Course 6-9P)

The Department of Electrical Engineering and Computer Science (http://catalog.mit.edu/schools/engineering/electrical-engineering-computer-science/#graduatetestudytext) and the Department of Brain and Cognitive Sciences (http://catalog.mit.edu/schools/science/brain-cognitive-sciences/#graduatetestext) offer a joint curriculum leading to a Master of Engineering in Computation and Cognition (http://catalog.mit.edu/degree-charts/master-computation-cognition-course-6-9p) that focuses on the emerging field of computational and engineering approaches to brain science, cognition and machine intelligence. The curriculum provides flexibility to accommodate students with a wide diversity of interests in this area—from biologically-inspired approaches to artificial intelligence, to reverse engineering circuits in the brain.

This joint program prepares students for careers that include advanced applications of artificial intelligence and machine learning, as well as further graduate study in systems and cognitive neuroscience. Students in the program are full members of both departments, with an academic advisor from the Department of Brain and Cognitive Sciences.