Research Fields
- computational linguistics
- neuroergonomics
- Bayesian cognitive models
- probabilistic machine learning
- cognitive neuroscience
- computational pragmatics
- preference learning.

Cognitive Science
MSc and PhD Programs in Cognitive Science
The objective of our graduate programs is to offer students with different backgrounds breadth of knowledge and research techniques in a wide range of areas in Cognitive Science. Our graduate programs bring together the research and teaching of academics in computer engineering, psychology, philosophy and linguistics. They aim to extend its interdisciplinary links to as many parts of METU as possible, as well as to other universities in Turkey and abroad. They aim to develop a collaborative atmosphere that attracts researchers and postgraduate students interested in all aspects of cognition. The training we offer in Cognitive Science is theoretically and methodologically oriented. it is interdisciplinary and includes a whole range of applications, as manifested by our various research activities and labs. Our graduate programs have four specialization groups. The Psychology group concentrates on cognitive processes such as perception, attention, reasoning and decision making through empirical research on human behavior. The Language group investigates the nature of human language and its manifestation as a mental ability. The Computing group creates computational and Bayesian models of cognitive processes for purposes of understanding similar abilities in humans and designing intelligent systems. The Philosophy group addresses questions about the essential nature of mind, knowledge, representation, and language. Courses offered in our programs include Computational Models of Mind, Artificial intelligence for Cognitive Science, Machine Learning and Cognition, Probabilistic Models of Cognition, Meaning and Logic, Cognitive Neurophysiology and Computational Semantics.