HOW TO APPLY

Application Package - Portfolio
http://www.hse.ru/en/ma/cogito/application

Application deadline: July 15, 2015

Full-tuition scholarships are available
Apply before May 15, 2015, for eligibility

Program candidates must hold a bachelor's degree or its equivalent. Applicants will receive a conditional acceptance from HSE upon the successful evaluation of their submitted application package.

Coursework is carried out in English and applicants must demonstrate their proficiency either through standard exams (TOEFL, IELTS, etc.) or HSE's English language test. Native English speakers and students who have completed English-taught programs are exempt.

For candidates with no background in psychology, the program offers introductory courses at the beginning of instruction.

We are looking for candidates with Bachelor's, Certified Specialist or PhD degrees in psychology, neuroscience, mathematics, language studies or other related fields.

HEAD OF THE PROGRAM

Anna Shestakova
PhD, Director of Centre for Cognition and Decision Making

CONTACTS

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http://hse.ru/en/ma/cogito

NATIONAL RESEARCH UNIVERSITY

Master's Programme

Cognitive Sciences and Technologies:

From Neuron to Cognition

http://hse.ru/en/ma/cogito

SELECTED COURSES

- Decision Science & Neuroeconomics
- Visual Perception and Attention
- Behavioral Genetics and Neurogenetics
- Computational Neuroscience
- Thinking and Emotional Modulation of Cognition
- Memory, Learning and Cognitive Development
- Cognitive Neuroscience
- Neuroimaging Techniques
- MATLAB and Psychtoolbox (E-Prime, NBS Presentation) for the Behavioral Sciences
- Neurobiology of Language
- Psycholinguistics

http://hse.ru/en/ma/cogito

MASTER'S PROGRAM

Duration: 2 years
Language of study: English
ECTS credits: 120

Our program addresses advanced and combined cognitive psychology, cognitive neuroscience and modeling. Students attend lectures in English and practice in the leading laboratories of Moscow and of our European partners. Leading scientists supervise students' practical training and the writing of a Master's thesis in the second year.

Cognitive Psychology Modern cognitive psychology is an experimental discipline in which we study the origins and functioning of the mind, brain, and intelligence. Our Program is focused on perception, the control of attention and motor responses, the formation of mental representations, the dynamics of memory retrieval, learning, cognitive development and cognitive breakdown, the mechanisms of reasoning, language, and problem solving.

Cognitive Neuroscience Recent breakthroughs in brain imaging technology allow cognitive neuroscientists to see a live human brain at work using state-of-the-art methods like functional magnetic resonance imaging (fMRI), magneto and electroencephalography (MEG, EEG), or near-infrared spectroscopy (NIRS), to name a few.

OUR PARTNERS

- Laboratoire de Neurosciences Cognitives, École Normale Supérieure, Département d'Études
- Center for Functionally Integrative Neuroscience, Aarhus University
- MEG Center, Moscow Psychological and Pedagogical State University
- Research Center for Neuroeconomics, Higher School of Economics

OUR RESEARCH CENTER

- **Transcranial Magnetic Stimulation (TMS)** uses electromagnetic induction to induce weak electric currents using a rapidly changing magnetic field; this can cause activity in specific or general parts of the brain with minimal discomfort, allowing for study of the brain's functioning and interconnections.
- **Eye-tracking** is the process of measuring either the point of gaze or the motion of an eye relative to the head. Eye trackers are used in research on the visual system, in psychology, in cognitive linguistics and in product design.
- **Multichannel** electroencephalography (**EEG)** is the recording of electrical activity along the scalp. EEG measures voltage fluctuations resulting from ionic current flows within the neurons of the brain.
- **Magnetoencephalography (MEG)** is a functional neuroimaging technique for mapping brain activity by recording magnetic fields produced by electrical currents occurring naturally in the brain, using very sensitive magnetometers. We use Elekta Neuromag 306-channel MEG system at the Center for Neurocognitive Research (MEG Center) at the Moscow Psychological and Pedagogical State University.