

CURRICULUM OF THE MSC IN COMPUTATIONAL AND COGNITIVE NEUROSCIENCES PROGRAMME 2019 (full time)¹

course code	course title	type of course	type of mark	credit	hours per week	recommended semester*	prerequisites**		
Basic Subject I.²									
CCNM17-101	Introduction to Cognitive Science	lecture	exam	2	2	1			
Basic Subjects II. after Psychologist BA² (12 credit)									
CCNM17-102	Mathematics	seminar	exam	4	4	1			
CCNM17-203	Epistemology	seminar	exam	4	2	1			
CCNM17-104	Informatics	seminar	exam	4	4	1			
CCNM17-205	Philosophy of Language	lecture	exam	4	2	1			
Basic Subjects II. after Biologist BSc² (12 credit)									
CCNM17-203	Epistemology	seminar	exam	4	2	1			
CCNM17-106	Logic and Logical Semantics	seminar	exam	4	4	1			
CCNM17-104	Informatics	seminar	exam	4	4	1			
CCNM17-205	Philosophy of Language	seminar	practice mark	4	2	1			
Basic Subjects II. after Communication BA² (12 credit)									
CCNM17-102	Mathematics	seminar	exam	4	4	1			
CCNM17-107	Statistics and Methodology	seminar	exam	4	4	1			
CCNM17-208	Neurobiology	seminar	exam	4	2	2			
Basic Subjects II. after Philosophy BA² (12 credit)									
CCNM17-102	Mathematics	seminar	exam	4	4	1			
CCNM17-107	Statistics and Methodology	seminar	exam	4	4	1			
CCNM17-208	Neurobiology	seminar	exam	4	2	2			
CCNM17-104	Informatics	seminar	exam	4	4	1			
Basic Subjects II. after Linguistics BA² (12 credit)									
CCNM17-102	Mathematics	seminar	exam	4	4	1			
CCNM17-107	Statistics and Methodology	seminar	exam	4	4	1			
CCNM17-208	Neurobiology	seminar	exam	4	2	2			
CCNM17-104	Informatics	seminar	exam	4	4	1			
Basic Subjects II. after Programmer BSc² (12 credit)									
CCNM17-208	Neurobiology	seminar	exam	4	2	2			
CCNM17-203	Epistemology	seminar	exam	4	2	1			
CCNM17-205	Philosophy of Language	seminar	exam	4	2	1			
Basic Subjects II. after Engineering BSc² (12 credit)									
CCNM17-208	Neurobiology	seminar	exam	4	2	2			
CCNM17-203	Epistemology	seminar	exam	4	2	1			
CCNM17-205	Philosophy of Language	seminar	exam	4	2	1			

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Core Curriculum									
CCNM17-209	Cognitive Psychology 1.	lecture	exam	6	2	1			
CCNM17-110	Cognitive Psychology 2.	lecture	exam	2	2	2			
CCNM17-111	Cognitive Psychology Practical	practice	practice mark	2	2	2			
CCNM17-112	Philosophy of Science	lecture	exam	4	4	1			
CCNM17-213	Computer Programming	seminar	exam	4	2	2			
CCNM17-214	Intelligent Systems	seminar	exam	4	2	2			
CCNM17-215	Evolutionary Psychology	seminar	exam	4	2	1			
CCNM17-216	Neuropsychology	seminar	exam	4	2	1			
CCNM17-217	Philosophy of Mind	seminar	exam	4	2	2			
CCNM17-218	Psycholinguistics	seminar	exam	4	2	1			
CCNM17-219	Semantics and Knowledge Representation	seminar	exam	4	2	2			
CCNM17-220	Project Work (Intro to Research)	practice	practice mark	4	4	2			
DIFFERENTIATED PROFESSIONAL MATERIAL									
Specialisation in Cognitive Models of Science									
CCNM17-CM-101	Theory of Science	lecture	exam	4	4	3			
CCNM17-CM-102	Cognitive Movement in the Philosophy of Science	seminar	exam	4	4	3			
CCNM17-CM-103	Historical Reconstruction of Scientific Thinking	lecture	exam	2	2	3			
CCNM17-CM-104	Human Ethology	lecture	exam	2	2	3			
CCNM17-CM-106	Cognitive Anthropology	lecture	exam	2	2	3			
CCNM17-CM-107	Sociology of Knowledge	lecture	exam	2	2	3			
CCNM17-CM-108	required elective courses ³	lecture	exam	8	2-4	3, 4			
CCNM17-CM-109	Project work	practice	practice mark	10	12	4			
Specialisation in Cognitive Neuroscience									
CCNM17-CN-201	Cognitive/Affective Neuroscience	lecture	exam	4	2	3			
CCNM17-CN-202	Cognitive/Affective Neuropsychology	lecture	exam	4	3	3			
CCNM17-CN-209	required elective courses	seminar/ practice	exam/ practice mark	4	2	3			
CCNM17-CN-210	required elective courses	lecture	exam	2	2	3			
CCNM17-CN-106	Human Ethology	lecture	exam	2	2	3			
CCNM17-CN-107	required elective courses ³	lecture	exam	8	2-4	3, 4			
CCNM17-CN-108	Project Work	practice	practice mark	10 ⁴	12	4			

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	optional courses			6		1-3			
CCNM17-SZD	Thesis	thesis consultation	thesis	20 ⁴	12	4			
	Altogether			120					

* These are the recommended semesters in which the students are suggested to fulfil the requirements. If the students follow this recommendation they will be able to

** According to the time of the compulsory completion of the prerequisites we define two types of them. The **strong prerequisites** must be completed before registering for

¹ It was declared by the decision number LXXIX/2019. (V. 27.) of the ELTE's Senate.

² Basic Subject I. and 12 credits from Basic Subjects II. are obligatory depending on the student's Bachelor's degree.

³ The student must complete 8 credits from the Required Elective Courses (the offered courses can be found below).

⁴ The credits of the Thesis and the credits of the Project Work altogether give the total sum of the Thesis's 30 credits.

course code	course title	type of course	type of mark	credit	hours per week	recommended semester	prerequisites		
Specialisation in Cognitive Models of Science - Required Elective Courses									
CCNM17-CM-108:1	Cognitive Neuroscience	seminar	exam	4	4	3			
CCNM17-CM-108:2	Scientific Model Building	lecture	exam	2	2	3			
CCNM17-CM-108:3	Observation and Experiment	lecture	exam	2	2	3			
CCNM17-CM-108:4	Psychology of Science	lecture	exam	2	2	3			
Specialisation in Cognitive Neuroscience - Required Elective Courses									
CCNM17-CN-209:1	Cognitive Informatics in Human Vision	practice	practice mark	4	2	3			
CCNM17-CN-209:2	Human Reproduction	practice	practice mark	4	2	3			
CCNM17-CN-210:1	Knowledge and Culture	lecture	exam	2	2	3			
CCNM17-CN-210:2	Quantitative and Molecular Behaviour Genetics	lecture	exam	2	2	3			
CCNM17-CN-107:1	Visual Neuroscience	lecture	exam	4	4	3			
CCNM17-CN-107:2	Language, Cognition, Consciousness and their Development	lecture	exam	2	2	3			
CCNM17-CN-107:3	Numerical Cognition	lecture	exam	4	4	3			
CCNM17-CN-107:4	Psychophysiology of Cognitive Processes	lecture	exam	4	4	3			
CCNM17-CN-107:5	Brain Imaging	lecture	exam	4	4	3			
CCNM17-CN-107:6	States of consciousness – reading seminar	lecture	exam	4	2	3, 4			