

The minimum for MISH and MISMaP students from the 2024/25 academic year onwards (Cognitive Science programme – second-cycle studies)

Course	Type	ECTS	H
Advanced topics in cognitive science (winter semester)	seminar	4	30
Methods in neuroscience (winter semester)	lecture	4	30
Cognitive processes modelling I (winter semester)	lecture	4	30
Advanced Python for cognitive scientists * (winter semester)	lecture + class	5	45
Introduction to machine learning (summer semester)	lecture + class	6	60
Advanced statistical methods and models in experimental design (summer semester)	class	3	30
Academic path ** (sem. II, III, IV)		20	180
Research Lab (sem. II, III, IV)		15	150
Diploma seminar (sem. I, II, III, IV)		12	90
SUM		73	645

* With the approval of the CogSci program coordinator, MISH and MISMaP students may complete an advanced course in another programming language relevant to cognitive science programme (minimum 5 ECTS).

** In semesters II, III, and IV, students must obtain a minimum of 20 ECTS from any courses belonging to the two offered study tracks: a) computational path; b) neurocognitive path

Students are advised to participate in introductory courses:

- Basics of Statistics (e.g., as part of the undergraduate Cognitive Science programme)
- Introduction to Programming in Python
- Modern Semantics
- Modern Syntax
- Introduction to Neuroanatomy