

## MASTER IN COGNITIVE SCIENCE AND LANGUAGE

The CCiL Master has three different branches: Psychology (*Models cognitius de Processament del Llenguatge*), Linguistics (*Teoria Gramatical i Processament Lingüístic*) and Philosophy (*Lògica i Filosofia*).

The student has to apply to one of these branches.

### Structure of the master

To fulfill the requirements of the master, each student must take 60 credits, divided as following:

- 15 credits (3 courses) of common courses.
- 15 credits (3 courses) of mandatory courses of the selected branch.
- 15 credits (3 courses) of optional courses.
- 15 credits of a final research paper.

### Background credits

The admission committee may require the student to take between 6 and 30 additional credits from background courses, depending on the adequacy of the previous studies of the applicant to the branch.

## Courses

	Cr. ECTS
<b>Common mandatory courses</b>	
Foundations and Structure of Language	5
Mental Architecture and Basic Processes	5
Topics in Philosophy, Language and Cognition	5
<b>TOTAL</b>	<b>15</b>

### Master courses: Logic and Philosophy

<b>Mandatory Philosophy courses</b>	
Advance Issues in Cognitive Sciences and Philosophy	5
Philosophy of Cognitive Sciences	5
The Nature of Language	5
<b>TOTAL</b>	<b>15</b>

<b>Optional Philosophy courses</b>	
Foundations of Philosophy of Science	5
Philosophical Logic	5
Topics in Epistemology	5
Topics in Ontology	5
Topics in Philosophy of Mind	5
Topics in Semantics and Pragmatics	5
<b>TOTAL</b>	<b>30</b>

**Master courses: Grammatical Theory and Linguistic****Mandatory Linguistics courses**

Advanced Issues in Cognitive Science and Linguistics	5
Contrastive Linguistics	5
Interdisciplinary Applications of Linguistic Concepts	5
<b>TOTAL</b>	<b>15</b>

**Optional Linguistics courses**

Computational Morphosyntax	5
Empirical Linguistics	5
Grammar and its Interfaces	5
Linguistic Variation	5
Topics on Lexical Semantics	5
Topics on Natural Language Processing	5
<b>TOTAL</b>	<b>30</b>

**Master courses: Cognitive Models of Language Processing****Mandatory courses of Psychology**

Advanced Issues in Cognitive Science and Psychology	5
Developing Speech, Language and Cognition	5
Topics in Psychology, Language and Cognition	5
<b>TOTAL</b>	<b>15</b>

**Optional Psychology courses**

Cognitive Models of Syntactic Processing	5
Language Processing in Bilinguals	5
Perception, Action and Consciousness	5
Statistical Methods for Research	5
Topics in Perception	5
Topics in Speech Processing	5
<b>TOTAL</b>	<b>30</b>

**Final work****All specialities**

Final Research Work	15
<b>TOTAL</b>	<b>15</b>

## Background courses

<b>Philosophy</b>	
Introduction to Logic	6
Philosophy of Language	6
Philosophy of Language and Mind	6
Philosophy of Science	6
Topics in Logic	6
Topics in Metaphysics	6
Topics in the Theory of Knowledge	6
<b>TOTAL</b>	<b>42</b>

<b>Linguistics</b>	
Computational Linguistic	6
Grammatical Structures	6
Phonology	6
Pragmatics	6
Semantics	6
Syntax	6
Theory of Language	6
<b>TOTAL</b>	<b>42</b>

<b>Psychology</b>	
Artificial Intelligence and Neural Networks	6
Experimental Design in Psychology ( <i>practicum</i> )	12
Language and Communication	6
Perception and Attention	6
Psycholinguistics and Neurolinguistics	6
Reasoning and Problem Resolution	6
Research Methodology	6
<b>TOTAL</b>	<b>48</b>

**NOTE:** This program is in the process of obtaining the official approval from the University of Barcelona