Université de Strasbourg

Sciences, Technologies, Santé

2025-2026

DIPLÔME NATIONAL DE MASTER CONTRÔLÉ PAR L'ÉTAT

Master Neurosciences

Euro-Mediterranean Master in Neurosciences Online (EMN-Online)

Candidater

Pour consulter les modalités de candidature, consultez la page dédiée sur le site de l'Université de Strasbourg.

Composante	• Faculté des sciences de la vie
Établissements co-accrédités	• UCA - Université Nice Côte d'Azur • UB - Université de Bordeaux • AMU - Aix-Marseille Université
Langues d'enseignement	• Anglais
Niveau d'entrée	BAC +3
Durée	2 ans
ECTS	120
Volume global d'heures	1203
Formation à distance	Oui, en EAD (entièrement à distance)
Régime d'études	• FI (Formation initiale) • FC (Formation continue)
Niveau RNCP	Niveau 7
RNCP	• RNCP38972 : Master Neurosciences
Stage	Non
Alternance	Non

Droits de scolarité

Pour consulter les droits de scolarité, consultez la page dédiée sur le site de l'Université de Strasbourg.

Contacts

Responsable(s) de parcours

- Hervé Cadiou

Programme des enseignements

Euro-Mediterranean Master in Neurosciences Online (EMN-Online)

Master 1 Neurosciences - Euro-Mediterranean Master in Neurosciences Online (EMN-Online)

M1 Neurosciences - S7

		CM	TD	TP	CI
1 - Mastering knowledge in fundamental neuroscience		CM	TD	TP	CI
1.1 Cellular neurobiology	6 ECTS	24h	20h	-	-
1.2 Functional neuroanatomy and neurodevelopment	6 ECTS	24h	20h	-	-
1.3 Neuropharmacology	6 ECTS	24h	20h	-	-
2 - Deepening knowledge and specializing in neuroscience		CM	TD	TP	CI
2.1 Basic tools and analysis methods	3 ECTS	12h	10h	-	-
2.2 Specialized/Advanced tools and analysis methods	3 ECTS	12h	10h	-	-
3 - Designing, carrying out and presenting a scientific project		CM	TD	TP	CI
3.1 English courses	3 ECTS	12h	10h	-	-
3.2 Presenting a scientific project, inititation to scientific research	3 ECTS	12h	10h	-	-

M1 Neurosciences - S8

		CM	TD	TP	CI
1. Mastering knowledge in fundamental neuroscience		CM	TD	TP	CI
1.1 Neurological pathologies	6 ECTS	24h	20h	-	-
1.2 Cognitive neuroscience	6 ECTS	24h	20h	-	-
2. Deepening knowledge and specializing in neuroscience		CM	TD	TP	CI
Liste Bloc 2 - choisir 2 parmi 7					
2.1 Cardiorespiratory networks and cardiac coherence	6 ECTS	24h	20h	-	-
2.2 Genomics, epigenetics and proteomics	6 ECTS	24h	20h	-	-
2.3 Neuroscience and law	6 ECTS	24h	20h	-	-
2.4 Case study: project in neuroscience	6 ECTS	24h	20h	-	-
2.5 Developmental neurobiology	6 ECTS	24h	20h	-	-
2.6 Environmental Neuroscience, disruptive aspects of the environment, neurotoxicology	6 ECTS	24h	20h	-	-
2.7 Human neuroimaging, cognitive neuroscience and connectomics	6 ECTS	24h	20h	-	-
3. Designing, carrying out and presenting a scientific project		CM	TD	TP	CI
3.1 Mastering concepts related to research projects	3 ECTS	12h	10h	-	-
3.2 Skills in scientific communication	3 ECTS	12h	10h	-	-

Master 2 Neurosciences - Euro-Mediterranean Master in Neurosciences Online (EMN-Online)

M2 Neurosciences - S9

		CM	TD	TP	CI
Liste S9 - Parcours pédagogiques à choisir - choisir 1 parmi 3					
Parcours pédagogique Cellular and molecular neurobiology		CM	TD	TP	CI
1.1 Developing expertise in neuroscience		CM	TD	TP	CI
1.1.1 Plasticity and cell communication	6 ECTS	24h	20h	-	-
1.1.2 Neurogenesis, stem cells and brain organoids	3 ECTS	12h	10h	-	-
1.2 Specializing in physiopathology		CM	TD	TP	CI
1.2.1 Neuroendocrinology	6 ECTS	24h	20h	-	-
1.2.2 Neuroinflammation and glia	6 ECTS	24h	20h	-	-
Parcours pédagogique Integrative neurobiology		CM	TD	TP	CI
2.1 Developing expertise in neuroscience		CM	TD	TP	CI
2.1.1 From sensation to perception	6 ECTS	24h	20h	-	-
2.1.2 Computational neuroscience	3 ECTS	15h	10h	-	-
2.2 Specializing in physiopathology		CM	TD	TP	CI
2.2.1 Integrative neurophysiology: biological rhythms	6 ECTS	24h	20h	-	-
2.2.2 From perception to action	6 ECTS	24h	20h	-	-
Parcours pédagogique Clinical neuroscience		CM	TD	TP	CI
3.2 Specializing in physiopathology		CM	TD	TP	CI
3.1.1 Neuroimmunogenetics	6 ECTS	24h	20h	-	-
3.1.2 Clinical imaging	3 ECTS	12h	10h	-	-
3.1 Developing expertise in neuroscience		CM	TD	TP	CI
3.2.1 Neuroprotection and therapeutic approaches	6 ECTS	24h	20h	-	-
3.2.2 Clinical neuroscience	6 ECTS	24h	20h	-	-
4. Preparing a career plan and knowing about research careers		CM	TD	TP	CI
4.1 Economy and entrepreneurship	3 ECTS	12h	10h	-	-
4.2 Regulations, law and bioethics	3 ECTS	12h	10h	-	-
4.3 Introduction to programming, data processing and statistics	3 ECTS	12h	10h	-	-
4.4 Winter school conferences		35h	-	-	-

M2 Neurosciences - S10

		CM	TD	TP	CI
1. Implementing a laboratory-based research project		CM	TD	TP	CI
1.1 Elaboration of a research project	15 ECTS	-	-	-	-
1.2 Research report	12 ECTS	-	-	-	-
1.3 Skills in scientific communication	3 ECTS	12h	12h	-	-