



Parcours Intégrative neurosciences, exercice physiologie and innovative technologies for sport and health sciences - Non ouvert 2024-2025

Master STAPS : activité physique adaptée et santé



Composante
UFR Sciences
et Techniques
des Activités
Physiques et
Sportives



Langue(s)
d'enseignement
Anglais

Présentation

Formation non ouverte à la rentrée 2024-2025.

The REHASP International Master 2 provides access to individualized training, combined with a research project in the field of sport and health. The course content, entirely in English, focuses on the development of high-level knowledge and specialized skills to empower students in the construction and coordination of research projects. Students will be trained in cutting-edge technological tools and will have access to the various platforms of the CAPS laboratory.

Objectifs

The aim of the international master's program is to impart high-level knowledge in the field of sports training and health, train students in cutting-edge technologies for recording and stimulating the brain and neuromuscular system, and provide scientific rigor in the construction of research protocols.

Compétences acquises

- * Advanced and specialized uses of digital tools in the field of sport and health
- * Development and integration of highly specialized knowledge of cognitive-motor processes
- * Specialized communication for the transfer of scientific knowledge
- * Construction of scientific experiments based on solid hypotheses
- * Designing and improving assessments of the resources and skills of people with disabilities and/or special needs/ Assessing and analyzing high-level performance
- * Medium-term evaluation and analysis of programs and schemes for specific target groups/Evaluation of the sport project of the structure
- * Design, Planning, and Coordination of intervention projects in adapted physical activities and health/Construction and Organization of strategies and training methods

Organisation

Ouvert en alternance

Type de contrat : Contrat d'apprentissage, Contrat de professionnalisation.



Internships are open to work-study contracts

Stages

Durée du stage : 300h

Stage à l'étranger : Possible

Admission

Conditions d'accès

Access to the program is by application after obtaining a first-year Master degree in France or abroad. Capacity is set at 30 students.

Modalités de candidatures

French students apply via the ecandidat platform, while foreign students apply via the Campus France platform.

Admission to the Master 2 International program is based on a selection process that includes an application review and/or interview. Candidates must have completed a first-year Master in Adapted Physical Activity and Health, or Training and Optimization of Sport Performance or Cognitive/Behavioral Neuroscience or equivalent in France or abroad. Consideration will be given to the academic average obtained in Undergraduate and first-year Master programs, the grades obtained in Life Sciences during the 3rd year of bachelor's degree and first-year of Master degree, the certified level of English (if possible with a TOEIC, TOEFL or CLES score), the professional project after training, the work-study or internship already found before entering Master 2.

Attendus / Pré-requis

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Et après

Débouchés professionnels

PhD candidate, research engineer, research assistant, project manager in sport and health science.


Infos pratiques

Laboratoire(s) partenaire(s)

INSERM UMR1093 CAPS

<http://u1093.u-bourgogne.fr/>

Campus

 Campus de Dijon



Programme

Organisation

Each skill block is organized over one or two weeks, with assessment at the end of each week.

Master 2

Semestre 3

	Nature	CMI	CM	TD	TP	TER	ECTS
Usages avancés et spécialisés des outils numériques	Bloc de compétences						6
Programming/Algorithms	Matière			30h			3
Advanced statistics	Matière			30h			3
Développement et intégration de savoirs hautement spécialisés	Bloc de compétences						9
Optimisation of motor development	Matière		12h	9h			3
Integrative approach of movement	Matière		12h	9h			3
Neuromuscular plasticity	Matière		20h				3
Cognitivo-motor plasticity	Matière		20h				3
Communication spécialisée pour le transfert de connaissances	Bloc de compétences						6
Scientific communication	Matière		5h	15h			2
Experimental and scientific approach	Matière		5h	15h			2
Seminars (Forthem)	Matière						2
Appui à la transformation en contexte professionnel	Bloc de compétences						9
Tutored projects	Matière			20h			4
Transferability of research, valorization	Matière		5h	15h			3
Participation in public events	Matière			10h			2
Conception et amélioration des évaluations des ressources et compétences des publics en situation de handicap et/ou à besoins spécifiques - Evaluation et analyse de la performance de haut niveau	Bloc de compétences						6
Cerebral stimulation	Matière		6h	10h			2
Movement analysis	Matière		6h	10h			2
Robotic and Virtual reality	Matière		6h	10h			2
Strength	Matière		6h	10h			2
Peripheral stimulation	Matière		6h	10h			2
Cardiorespiratory activity	Matière		6h	10h			2



Evaluation et analyse à moyen terme de programmes et de dispositifs mobilisés pour les publics spécifiques - Evaluation du projet sportif de la structure	Bloc de compétences						3
Transversal project from mouse to patient	Matière	12h	9h				3
Psychological, human and strategic aspects of sports performance and training	Matière	12h	9h				3
Conception, planification et coordination des projets d'intervention en APA-S - Conception des stratégies et des dispositifs d'entraînement et organisation de leur mise en oeuvre	Bloc de compétences						3
Patient model in scientific and clinical research	Matière	15h					3
Sports training planning	Matière	15h					3

Semestre 4

	Nature	CMI	CM	TD	TP	TER	ECTS
Encadrement et formation au service du projet d'APA-S	Bloc de compétences						18
Dissertation & defense	Matière						15
Internship (Mini 300 h)	Stage						3