Offre en cours de modification : les informations concernant le contenu des enseignements peuvent évoluer jusqu'au 30 septembre

DIPLÔME NATIONAL DE MASTER CONTRÔLÉ PAR L'ÉTAT

Parcours Integrative neurosciences, exercice physiology and innovative technologies for sport and health sciences - Non ouvert 2026-2027

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 2026-2027.

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

Offre en cours de modification : les informations concernant le contenu des enseignements peuvent évoluer jusqu'au 30 septembre

Organisation

Ouvert en alternance

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

Rythme d'alternance :
Internships are open to work-study contracts

Modalités d'alternance :

Stages

Durée du stage : 300h

Stage à l'étranger : Possible

Stages et projets tutorés :

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

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

Et après

Débouchés professionnels

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

Offre en cours de modification : les informations concernant le contenu des enseignements peuvent évoluer jusqu'au 30 septembre

Infos pratiques

Contact scolarité

Scolarité : vesna.bouiller@u-bourgogne.fr

Responsable M2 : florent.lebon@u-bourgogne.fr

Laboratoire(s) partenaire(s)

INSERM UMR1093 CAPS

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

Campus

Campus de Dijon

Offre en cours de modification : les informations concernant le contenu des enseignements peuvent évoluer jusqu'au 30 septembre

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 crédits
Programming/Algorithms	Matière			30h			3 crédits
Advanced statistics	Matière			30h			3 crédits
Développement et intégration de savoirs hautement spécialisés	Bloc de compétences						9 crédits
Optimisation of motor development	Matière		12h	9h			3 crédits
Integrative approach of movement	Matière		12h	9h			3 crédits
Neuromuscular plasticity	Matière		20h				3 crédits
Cognitivo-motor plasticity	Matière		20h				3 crédits
Communication spécialisée pour le transfert de connaissances	Bloc de compétences						6 crédits
Scientific communication	Matière		5h	15h			2 crédits
Experimental and scientific approach	Matière		5h	15h			2 crédits
Seminars (Forthem)	Matière						2 crédits
Appui à la transformation en contexte professionnel	Bloc de compétences						9 crédits
Tutored projects	Matière			20h			4 crédits
Transferability of research, valorization	Matière		5h	15h			3 crédits
Participation in public events	Matière			10h			2 crédits
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 crédits
Cerebral stimulation	Matière		6h	10h			2 crédits
Movement analysis	Matière		6h	10h			2 crédits

Offre en cours de modification : les informations concernant le contenu des enseignements peuvent évoluer jusqu'au 30 septembre

Robotic and Virtual reality	Matière		6h	10h		2 crédits
Strength	Matière		6h	10h		2 crédits
Peripheral stimulation	Matière		6h	10h		2 crédits
Cardiorespiratory activity	Matière		6h	10h		2 crédits
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 crédits
Transversal project from mouse to patient	Matière		12h	9h		3 crédits
Psychological, human and strategic aspects of sports performance and training	Matière		12h	9h		3 crédits
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 crédits
Patient model in scientific and clinical research	Matière		15h			3 crédits
Sports training planning	Matière		15h			3 crédits

Semestre 4

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