INGÉNIERIE - ÉLECTRONIQUE, ÉNERGIE ÉLECTRIQUE

MASTER 2 ÉLECTRONIQUE, ÉNERGIE ÉLECTRIQUE, AUTOMATIQUE PARCOURS INGÉNIERIE POUR LA SANTÉ (IPS) – MECHATRONIC SYSTEMS FOR REHABILITATION (MSR)

PUBLIC ET PRÉ-REQUIS

Students may join the second year provided they are engineers or have completed 4 years after high-school graduation and seeking a specialty in research, of all nationalities. Courses during the third semester will be taught in English.

PROGRAMME

https://sciences.sorbonne-universite.fr/formation-sciences/masters/master-electronique-energie-electrique-automatique/parcours-ingenierie

OBJECTIFS & COMPÉTENCES

OBJECTIFS/COMPÉTENCES VISÉES

During the second year, knowledges of the students are strengthened by higher levels of modeling. They are introduced to concepts of Human-Machine interaction, Human posture and behavior that are required to develop a mechatronics system that can rehabilitate a person (diagnosis support, monitoring, functional rehabilitation and motor assistance)

LES + DE LA FORMATION

Training designed to be consistent with the needs identified in the job market.
Internationally renowned faculty.

MÉTHODES PÉDAGOGIQUES

Méthodes

Presential and / or distance learning courses, TD, TP, Project...

Modalités d'évaluation

Examens et/ou CCF (Contrôle en Cours de Formation)

ET APRÈS ?

Students develop skills that allow them to develop a mechatronics system that can rehabilitate a person such as :

Informations clés

Durée :
600 Heures

Tarif : (Éligible CPF)
7000 €

Informations

Formation inscrite au RNCP : Oui
Code RNCP : 34117
Droits Universitaires : 243€ (non compris dans le coût de formation)
VAE/VAP : oui
Accessibilité (handicap) : Oui

Cette formation est disponible sur votre compte CPF : https://www.moncompteformation.gouv.fr/espace-prive/html/#/formation/recherche/13002338500011_M2MSR/13002338500011_M2MSR?contexteFormation=ACTIVITE_PROFESSIONNELLE

Contact

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Mechanical design driven by safety needs
Actuators control and integration
Platform instrumentation to collect data from human
Signal and image processing for therapy and medical monitoring purposes.
Skills developed during this curriculum are specialized to medical environments and systems. However these skills can be transfered to daily life technologies such as sport equipments, transports, interactive games, robotics...

POUR CANDIDATER

Candidature par e-mail : sciences-ftlv-fpc@sorbonne-universite.fr