

**Domaine :** Ingénierie - **Thématique(s) :** Électronique, énergie électrique  
DIPLÔMES NATIONAUX : MASTERS

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

🕒 **Durée de la formation :** 600 Heures  
📅 **Dates :** Voir le calendrier  
📍 **Lieu :** Campus Pierre et Marie Curie – Paris (Jussieu)  
💶 **Tarif :** 7000 €

**Modalité :** Présentiel  
**CPF :** Éligible  
**ECTS :** 60  
**Formation :** Diplômante

### 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)

### PUBLIC VISÉ 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>

### MÉTHODES

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

### MODALITÉS D'ÉVALUATION

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

### DÉBOUCHÉS

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

### 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

### INFORMATIONS

Cette formation est disponible sur votre compte CPF :  
[https://www.moncompteformation.gouv.fr/espace-prive/html/#/formation/recherche/13002338500011\\_M2MSR/13002338500011\\_M2MSR?contexteFormation=ACTIVITE\\_PROFESIONNELLE](https://www.moncompteformation.gouv.fr/espace-prive/html/#/formation/recherche/13002338500011_M2MSR/13002338500011_M2MSR?contexteFormation=ACTIVITE_PROFESIONNELLE)

### CONTACT

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purposes.

Skills developed during this curriculum are specialized to medical environments and systems. However these skills can be transferred to daily life technologies such as sport equipments, transports, interactive games, robotics...

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#### LES + DE LA FORMATION

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

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