A quality master’s degree that opens a window to the world

Further information:
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MASTER’S DEGREE IN
NEUROENGINEERING
AND REHABILITATION

Neuroengineering is a discipline that aims to understand, repair, replace or enhance neural systems, including the restoration and augmentation of human function via human-machine computer interfaces between the nervous system and artificial devices. Rehabilitation is a complex, highly specialised clinical and technical process aimed at restoring, minimising and/or compensating for the functional alterations of the person affected by a disability.

Why choose this master’s degree?
The master’s degree provides rigorous training in the field of neuroengineering and rehabilitation and responds to the high demand for specialists in this field. This official master’s degree is the only one of its kind in Spain.

Professional opportunities
The CREB and the IGP are leaders in their respective sectors, which ensures that this master’s degree provides students with multidisciplinary training and adapted to new technologies and advances in the sector. The master’s degree produces qualified professionals, of which there are currently still few in the field, who have a very high employment rate that enables them to easily adapt to positions of responsibility in hospitals, companies and research centres in the field of neuroengineering and rehabilitation. Graduates may also work as freelancers and entrepreneurs.

Biomedical Engineering Research Centre
The academic staff of the master’s degree is involved in different areas of the CREB, a research centre with more than 80 researchers who work in the following eight areas: Biomatериалы; Biosignal Analysis for Rehabilitation and Therapy; Bioinformatics and Biomedical Signals; Dosimetry and Medical Radiation; Computer Graphics and Serious Games; Biomechanical Engineering; Robotics and Vision; and Instrumentation and eHealth.

Professional opportunities
Demand is particularly high in Catalonia, where there is a very high employment rate that enables them to easily adapt to positions of responsibility in hospitals, companies and research centres in the field of neuroengineering and rehabilitation. Graduates may also work as freelancers and entrepreneurs.

Institut Guttmann Neurorehabilitation Hospital
The IGP is a hospital specialised in advanced therapies; Neuropsychological Evaluation; Brain Health; Neuroestimulation and Neurorehabilitation; and Social research.

Work placement
The ETSEIB fosters and maintains strategic, wide-ranging collaborations with companies over the long term to promote education and research. In the field of education, more than 800 educational cooperation agreements are signed every year for external academic placements at more than 300 companies working in various fields. In the last semester, the master’s degree provides students with the opportunity to collaborate with a company or hospital in a real environment, with a prestigious research group or with another national or international research institution as they complete their theses.

Mobility programmes
The ETSEIB participates in international mobility programmes that allow students on the master’s degree to spend a semester abroad, generally through the Erasmus programme for Europe.
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