

Electricity Management and Digital

Applied graduate studies



Language:
English

Duration:
16 months



The Electricity Management and Digital program offers a training with a unique balance between technical and economic know-how, and managerial and digital skills in the field of production, transport, distribution and consumption of electrical energy. Our training, anchored in industrial reality, prepares you to become experts capable of developing sustainable and economically viable electrical energy solutions.



IFP School's Master's degree/ Specialized engineering degree (Diplôme d'ingénieur spécialisé)

The specialized engineering program in Electricity Management and Digital is a multidisciplinary training that deals with the technical, economic and digital optimization of the production, conversion and regulation of electrical energy systems. The impacts of emerging technologies such as renewable energies and charging stations for the electric mobility as well as energy storage systems require a global technological transformation of the electricity systems. This electrical network transformation towards a smart user interface grid can only be successfully carried out by mastering themes which will call upon very diverse scientific, managerial

and digital skills. To meet these objectives, this program provides students with a detailed understanding of the operation, modelling, regulation and security of electricity networks as well as the new opportunities and business models that appear in this constantly evolving field. This technical-economic understanding is essential for the digital optimization of the electricity system. This unique program is the result of close collaboration between experts from our Powertrains and Sustainable Mobility, and Energy Economics and Management domains, providing a solid technical and economic training.



CAREER OPPORTUNITIES

Drawing on their technical and economic competencies, the graduates from this program will be able to manage the constraints of quality and availability of electrical energy as well as the operational safety of energy installations. They will ensure the techno-economic management of power systems, efficient data analysis and trends predictions. They will also deal with problems related to the production, transport, distribution and final use of electrical energy.



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