RÉPUBLIQUE FRANÇAISE
Liberté Égalité Fraternité

GRENOBLE INP UGA Pagora

Master's Degree, One Year Graduate Program
Sustainable Printed and Integrated Electronics

e.Peps

Are you interested in the fields of printed electronics, IoT, optoelectronics, printing techniques and surface functionalization processes? Do you also have an interest in eco-design and sustainable innovation?

Have you completed at least 4 years of science-based higher education (chemistry, materials science or electronics) and are you keen to study in France? Apply for the Sustainable Printed and Integrated Electronics Master's degree!

The Master's program created at Grenoble INP - Pagora aims to train specialists in the field of printed electronics by developing the cutting-edge **skills needed to design and add new functionalities to 2D/3D objects** using innovative printing processes **based on sustainable approach**.

This Master's degree, which **combines materials science, electronics and sustainable innovation**, will enable graduates to meet the challenges involved in 2D/3D object functionalization and the **eco-design of electronic devices**. The skills they acquire will allow **connected objects to be manufactured at a lower cost and using resources more efficiently**.

TOPICS COVERED

- PRINTING/COATING PROCESSES AND FUNCTIONAL INKS
- MATERIALS (BIOBASED, POLYMERS) FOR PRINTED AND STRUCTURAL ELECTRONICS
- FUNCTIONALIZATION OF 2D/3D PARTS
- ELECTRONICS AND OPTOELECTRONICS
- SUSTAINABLE INNOVATION PROJECT
- SUSTAINABILITY ASSESSMENT AND ECO-DESIGN

TRAINING PROVIDED IN ENGLISH

DURATION
1-year, from Sept. to August

LOCATION
Grenoble, France

6-MONTH INTERNSHIP IN A COMPANY OR LABORATORY
with a minimum monthly stipend of €600 if it takes place in France

SCHOLARSHIPS AVAILABLE

TUITION FEES
€250/year EU citizens
€3 879/year non EU-nationals

GRENOBLE INP UGA · La Région Auvergne-Rhône-Alpes · tec21 the engineering of complexity · INSTITUT CARNOT PolyNat

PROGRAM DESCRIPTION

The Sustainable Printed and Integrated Electronics master's program **leads to an official qualification**.

SEMESTER 9

- UNIT 1 Printing/coating processes and Materials for printed and structural electronics
- UNIT 2 Electronic/Opto-electronic/Energy management Functionalities
- UNIT 3 Sustainable innovation
- UNIT 4 Project : Proof of concept

SEMESTER 10

FINAL-YEAR 6-MONTH INTERNSHIP IN A COMPANY OR IN A LABORATORY

With a strong network of industrial and academic partners, Grenoble INP - Pagora will ensure that each student finds a final-year internship (grant of around €600/month if it takes place in France).

INTERNATIONAL DIMENSION

With **courses taught in English**, this master's degree is a **great opportunity to develop the capacity to manage projects in an international context**.

SUPPORTED BY

Nicolas LETERRIER, ONE LABS Global VP Schneider Electric Industries

"At Schneider Electric, we fully support the master's degree in printed electronics. As a company, we believe that the printed electronics field is of crucial importance for the design of totally safe new functionalities for living space devices, as well as new functions for our electrical products. We continue to face the challenge of talent sourcing and cross-fertilization between all stakeholders, at the crossroads between many technologies and technology providers. We believe that this master's degree is a way to overcome certain technological barriers, develop the configurations and materials of the future and bring new functionalities to our products."

afelim · ARC EN CIEL sérigraphie · ardeje · FEDRIGONI · FABÉON · ISRA CARDS · Schneider Electric · CRM GROUP · SYMBIO

PREREQUISITES

At least **4 years of science-based higher education** or 1 year of graduate studies in materials science, electronics, chemistry, printing processes, sustainability or industrial engineering

English language skills: **level B1 minimum, level B2 strongly recommended**, European standards

APPLY ONLINE

DEADLINE FOR SUBMITTING THE APPLICATION

pagora.grenoble-inp.fr/master-e-peps

CONTACT

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