

Université Paris-Saclay

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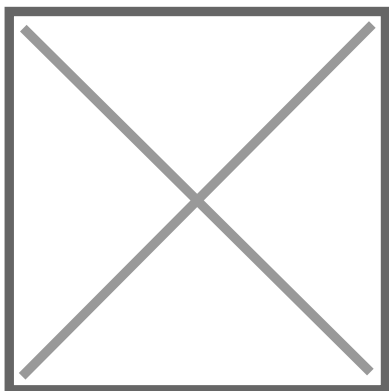
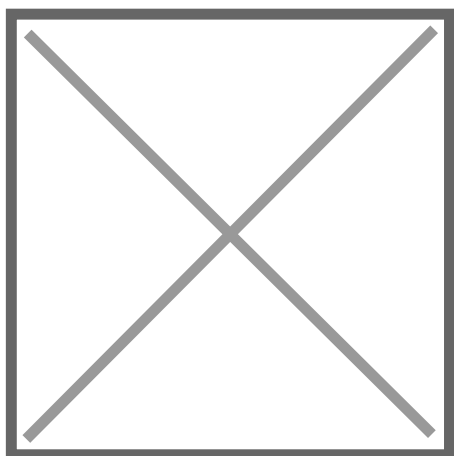
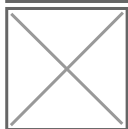
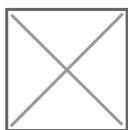
Envoyer

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## M1 E3A - Voie André Ampère - ENS Paris Saclay



Master's degree

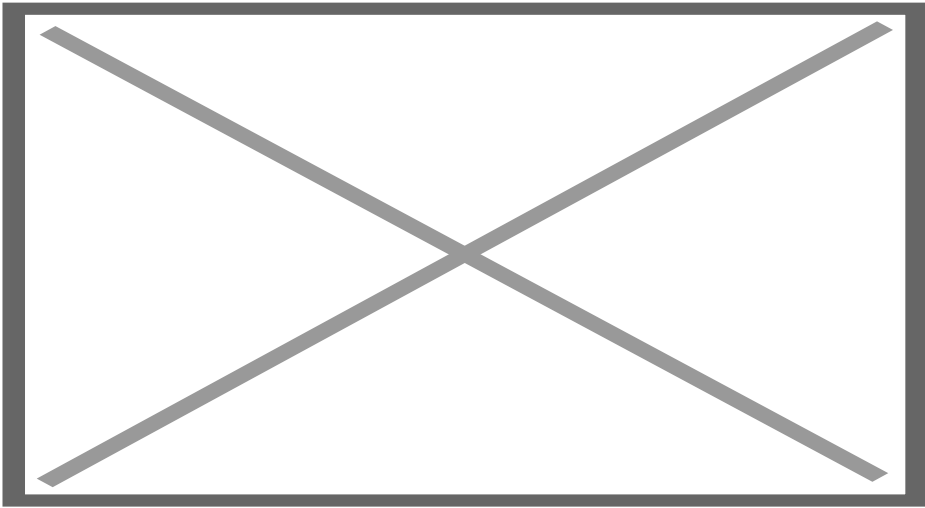
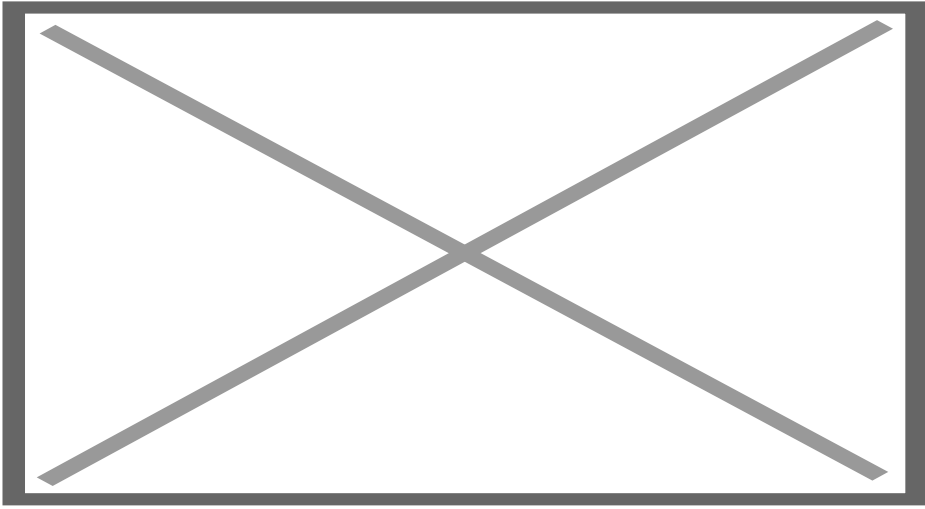
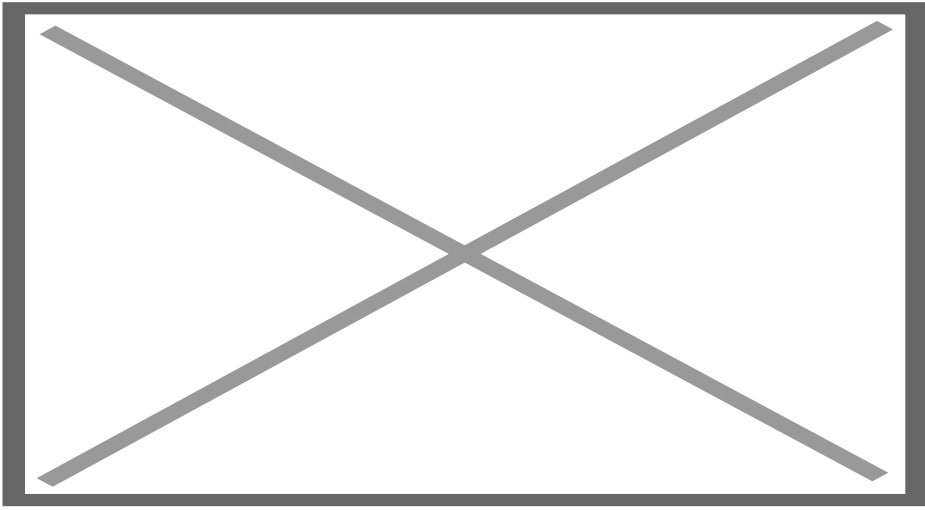
Specialisation Electrical Engineering

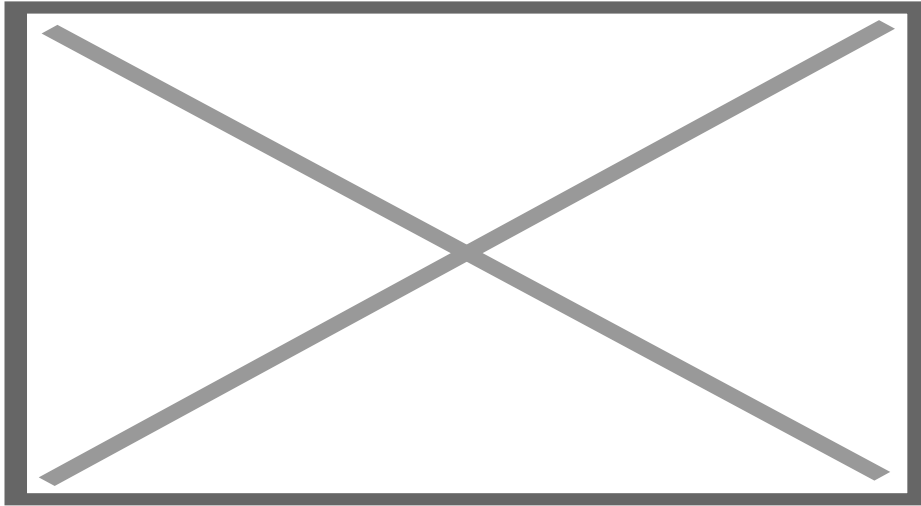
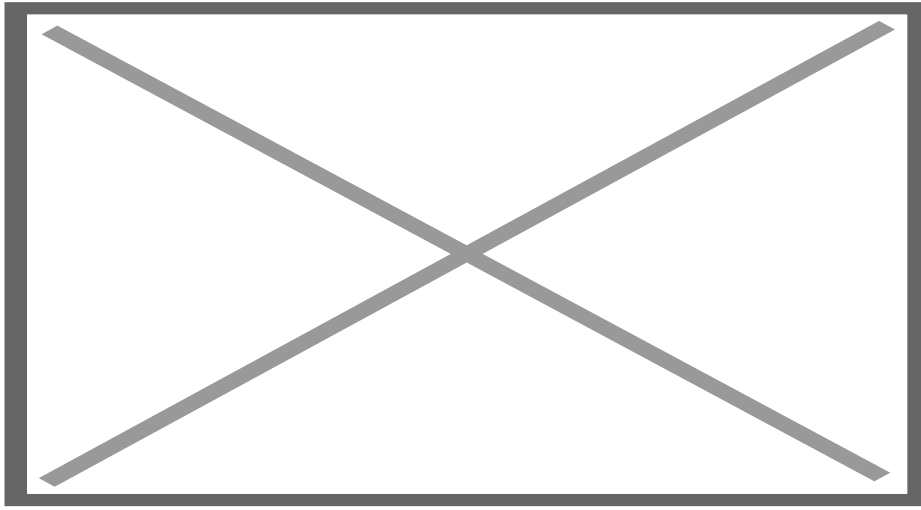
Language(s) of instruction

French

[Télécharger la fiche détaillée](#)

[Apply Now](#)





■ ■

## Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

## Débouchés

### Career prospects

**After a Master's or Master's + PhD: researcher or lecturer  
Teacher (after the CAPES or 'agrégation' competitive exam)**

Admission

## **Admission Route**

Physics  
Electronics, Electrical Energy, Control  
Engineering Sciences

## **Capacity**

### **Available Places**

20

## **Période(s) de candidature**

Inception Platform

From 15/01/2026 to 16/03/2026

## **Supporting documents**

### **Compulsory supporting documents**

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

### **Additional supporting documents**

Certificate of French (compulsory for non-French speakers).

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Supporting documents :

- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France

- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

## Programme

### Semestre 1

| Subjects                             | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|--------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
| <a href="#">Conversion d'énergie</a> | 5    | Semestre 1 |         |                |                 |                        |                         |                                |
| ■                                    |      |            |         |                |                 |                        |                         |                                |

## Conversion d'énergie

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Commande dans l'espace d'état](#)

5

Semestre 1

■

## Commande dans l'espace d'état

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Electronique pour les systèmes de transmission](#)

5

Semestre 1

| Subjects | ECTS | Semester | Lecture<br>study | directed<br>study | practical<br>class | Lecture/directed<br>study | Lecture/practical<br>class | directed<br>study/practic<br>class |
|----------|------|----------|------------------|-------------------|--------------------|---------------------------|----------------------------|------------------------------------|
|----------|------|----------|------------------|-------------------|--------------------|---------------------------|----------------------------|------------------------------------|

## Electronique pour les systèmes de transmission

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Matériaux et](#)

[composants pour](#)

[l'électronique et](#)

[l'optoélectronique](#)

5

Semestre

1

## Matériaux et composants pour l'électronique et l'optoélectronique

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Physique des](#)

[semi-conducteurs](#)

5

Semestre

1

## Physique des semi-conducteurs

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

| Subjects                               | ECTS | Semester   | Lecture directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|----------------------------------------|------|------------|------------------------|-----------------|------------------------|-------------------------|--------------------------------|
| <a href="#">Informatique embarquée</a> | 5    | Semestre 1 |                        |                 |                        |                         |                                |
| ■                                      |      |            |                        |                 |                        |                         |                                |

## Informatique embarquée

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Méthodes](#)

[statistiques pour](#)

[le signal et](#)

[l'apprentissage](#)

■

## Méthodes statistiques pour le signal et l'apprentissage

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Intelligence](#)

[artificielle](#)

■

## Intelligence artificielle

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Projet de](#)

[recherche](#)

■

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|----------|------|----------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
| ■        |      |          |         |                |                 |                        |                         |                                |

## Projet de recherche

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue Intégrale

Semestre 2

| Subjects                                    | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---------------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
| <a href="#">UE libre catalogue S1 et S2</a> | 2.5  | Semestre 2 |         |                |                 |                        |                         |                                |
| ■                                           |      |            |         |                |                 |                        |                         |                                |

## UE libre catalogue S1 et S2

ECTS : 2.5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Terminale

[UE libre S2](#) 3 Semestre 2

■

## UE libre S2

ECTS : 3

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Terminale

[Machine asynchrone](#) 5 Semestre 2

| Subjects | ECTS | Semester | Lecture<br>study | directed<br>study | practical<br>class | Lecture/directed<br>study | Lecture/practical<br>class | directed<br>study/prac<br>class |
|----------|------|----------|------------------|-------------------|--------------------|---------------------------|----------------------------|---------------------------------|
|----------|------|----------|------------------|-------------------|--------------------|---------------------------|----------------------------|---------------------------------|

## Machine asynchrone

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Production](#)

[d'électricité à partir](#)

[d'énergies](#)

[renouvelables](#)

5

Semestre

2

## Production d'électricité à partir d'énergies renouvelables

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Commande linéaire](#)

[multivariable](#)

5

Semestre

2

## Commande linéaire multivariable

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Commande non-](#)

[linéaire](#)

5

Semestre

2

## Commande non-linéaire

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Télécommunications  
numériques](#) 5 Semestre  
2

## Télécommunications numériques

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Hyperfréquences et  
antennes](#) 5 Semestre  
2

## Hyperfréquences et antennes

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Conception de  
circuits intégrés](#) 5 Semestre  
2

## Conception de circuits intégrés

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

|                                              |   |               |
|----------------------------------------------|---|---------------|
| <a href="#">Informatique<br/>embarquée 2</a> | 5 | Semestre<br>2 |
|----------------------------------------------|---|---------------|

## Informatique embarquée 2

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

|                                                  |   |               |
|--------------------------------------------------|---|---------------|
| <a href="#">Architecture des<br/>processeurs</a> | 5 | Semestre<br>2 |
|--------------------------------------------------|---|---------------|

## Architecture des processeurs

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

|                                                                     |   |               |
|---------------------------------------------------------------------|---|---------------|
| <a href="#">Traitement de<br/>l'image et problèmes<br/>inverses</a> | 5 | Semestre<br>2 |
|---------------------------------------------------------------------|---|---------------|

## Traitement de l'image et problèmes inverses

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Théorie de  
l'information et  
codage source](#)

5

Semestre  
2

## Théorie de l'information et codage source

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Nanotechnologies](#)

5

Semestre  
2

## Nanotechnologies

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[SWAP et  
communication](#)

5

Semestre  
2

| Subjects | ECTS | Semester | Lecture<br>study | directed<br>study | practical<br>class | Lecture/directed<br>study | Lecture/practical<br>class | directed<br>study/prac<br>class |
|----------|------|----------|------------------|-------------------|--------------------|---------------------------|----------------------------|---------------------------------|
|----------|------|----------|------------------|-------------------|--------------------|---------------------------|----------------------------|---------------------------------|



## SWAP et communication

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

|                                                   |   |          |
|---------------------------------------------------|---|----------|
| <a href="#">Travaux d'études et de recherches</a> | 5 | Semestre |
|                                                   |   | 2        |



## Travaux d'études et de recherches

ECTS : 5

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Terminale

## Teaching Location(s)

ORSAY

GIF SUR YVETTE

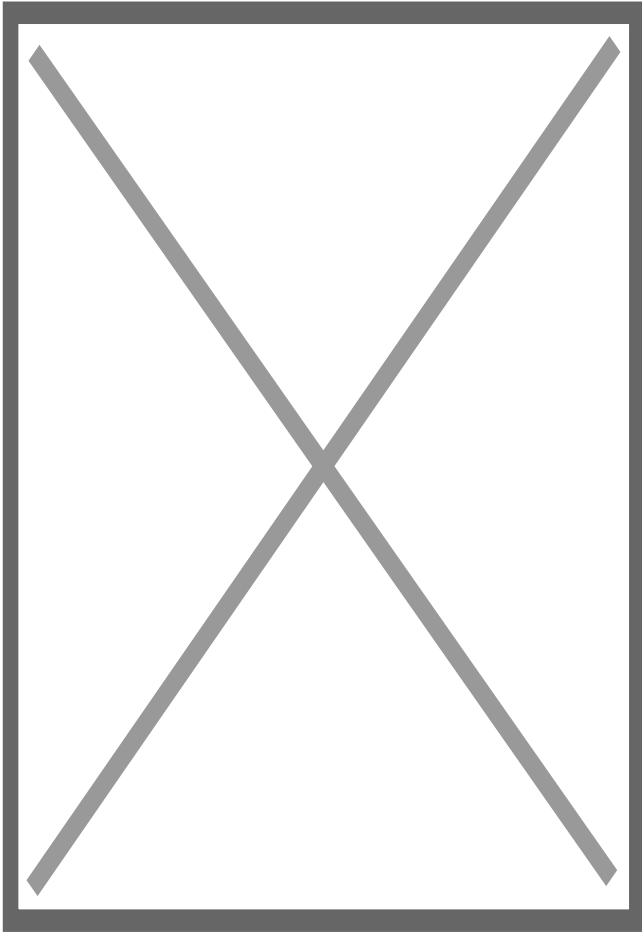
## Academic Partner(s)

Faculté des Sciences d'Orsay Laboratoires universitaires : Biomaps, C2N, GeePs, L2S, SATIE

## Training campus

Javascript est requis pour visualiser cette carte.





## Saclay Moulon

Saclay / Gif-sur-Yvette / Orsay

Bus 4606 / 4609 / 4611 / 5154

RER B Le guichet

[Voir](#)

Student restaurant (CROUS)

Library

Sports facilities

Student residence

## Contact

- **Mohamed Abbas Turki**

<http://www.universite-paris-saclay.fr/formation/master/electronique-energie-electrique-automatique/m1-e3a-voie-andre-ampere-ens-paris-saclay>