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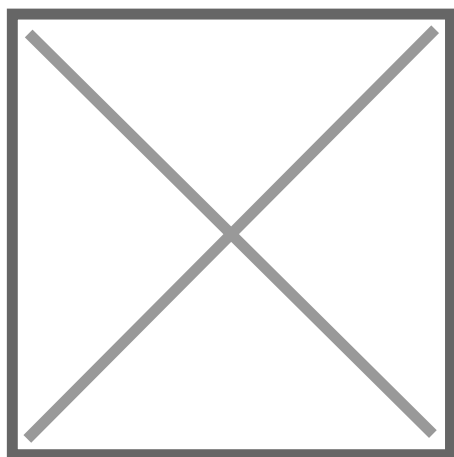
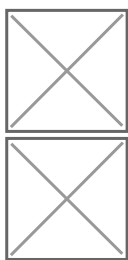
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Electrical Engineering



Master's degree

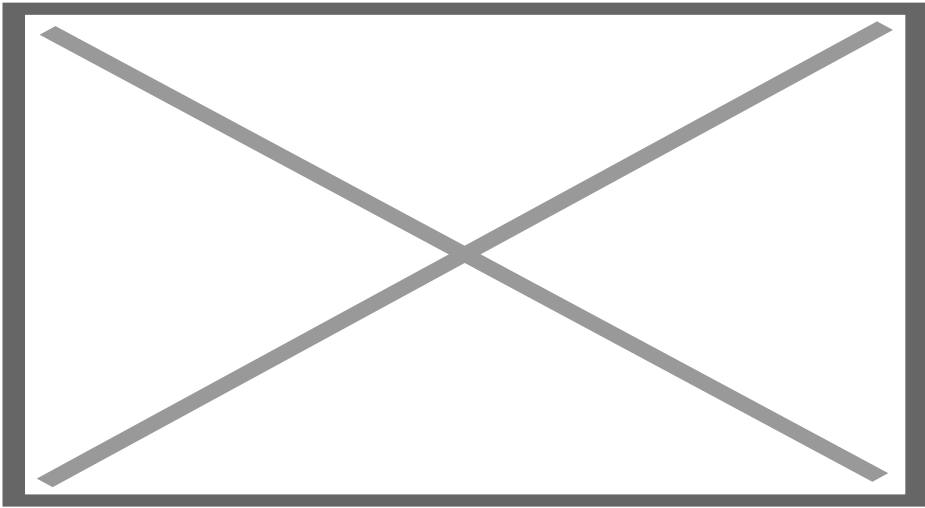
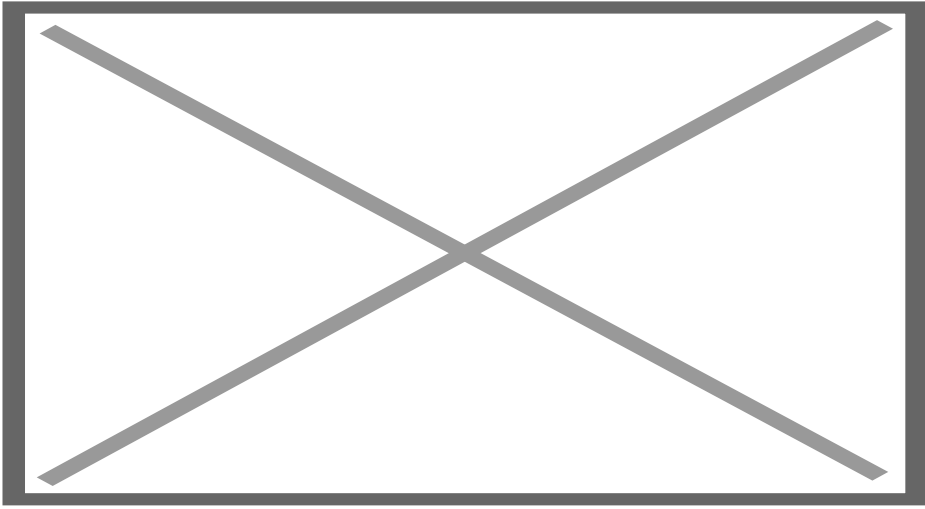
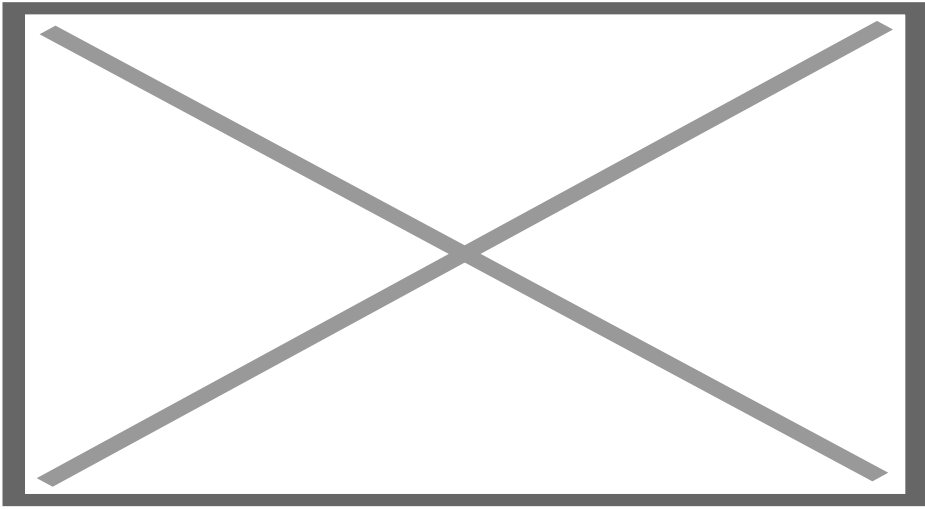
Language(s) of instruction

English French

The E3A Master's program is both research and professionally oriented. Its primary objective is to provide a solid foundation and develop strong technical and scientific skills in all areas of engineering sciences, including electronics, energy, automatic control, computer engineering, telecommunications, signal and image processing, nanosciences, mechatronics, and artificial intelligence.

The seven M1 tracks provide students with a common foundation. Toward the end of the first semester, a specialization—through elective courses prepare students for the different M2 tracks. This specialization is further reinforced during the second semester of M1. The small triangles in front of each track are color-coded according to the seven main tracks.

[Télécharger la fiche détaillée](#)





Information

- [List of Pathways](#)
- [Overview](#)
- [Application requirements](#)

Liste parcours

Master's Year 1

[M1 E3A - Site Evry - Apprentissage](#)

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[M1 E3A - Site Evry](#)

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[M1 E3A - Site Orsay- GIF](#)

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[M1 E3A - Site Versailles](#)

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[M1 E3A - Voie André Ampère - ENS Paris Saclay](#)

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[M1 E3A - Voie Réseaux et télécoms apprentissage](#)

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[M1 International track in electrical engineering](#)

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Master's Year 2

[Formation à l'Enseignement Supérieur en Sciences du Numérique \(M2 FESup SciNum\)](#)

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[M2 Advanced Wireless Communications Systems](#)

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[M2 Automotive and Aeronautic Intelligent Systems - Apprenticeship training](#)

Add to Compare

[M2 Control, Signal and Image Processing](#)

Add to Compare

[M2 Formation à l'enseignement supérieur en Physique des Systèmes d'Energie électrique et Electroniques](#)

Add to Compare

[M2 Imagerie Biomédicale](#)

Add to Compare

[M2 Ingénierie des Systèmes Aéronautiques et Spatiaux](#)

Add to Compare

[M2 Integration Circuits Systems](#)

Add to Compare

[M2 Mechatronics, Machine Vision and Artificial Intelligence](#)

Add to Compare

[M2 Mobile Autonomous Systems](#)

Add to Compare

[M2 Multimedia Networking](#)

Add to Compare

[M2 Physique et Ingénierie de l'Energie \(PIE\) : Systèmes électriques pour l'énergie et la mobilité](#)

Add to Compare

[M2 Robotique, assistance et mobilité](#)

Add to Compare

[M2 Réseaux et télécoms - Voie apprentissage](#)

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[M2 Réseaux et télécoms](#)

Add to Compare

[M2 Smart Aerospace and Autonomous Systems](#)

Add to Compare

[M2 Systèmes embarqués et traitement de l'information](#)

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[M2 Technology of Semiconductor Devices](#)

Add to Compare

[M2 Traitement de l'information et exploitation données](#)

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Présentation

Skills

Creating knowledge through a scientific approach.

Training through research, developing scientists and experts.

Education open to societal challenges.

[Fiche nationale du Répertoire National des Certifications Professionnelles \(RNCP\)](#)

Learning outcome targets

The E3A Master's program is both research and professionally oriented. Its primary objective is to provide a solid foundation and develop strong technical and scientific skills in all areas of engineering sciences, including electronics, energy, automatic control, computer engineering, telecommunications, signal and image processing, nanosciences, mechatronics, and artificial intelligence.

The various tracks within the program train high-level professionals (Master's degree - Bac+5) over two years (M1 and M2) to address numerous socio-economic challenges related to sustainable development, healthcare, advanced industry, and innovation in the aforementioned disciplines.

The E3A program mainly focuses on six major areas:

- Higher Education in Electrical Engineering and Digital Systems (FESUP)
- Networks and Telecommunications
- Information and Systems
- Embedded Systems
- Mechatronics and Instrumentation
- Electronics and Micro/Nanotechnology
- Electrical Engineering

The different study tracks and training modules are aligned with one of these seven major areas, which structure the overall academic offering.

Débouchés

Career prospects

After a Master's or Master's + PhD: researcher or lecturer

R&D Engineer

design study engineer

Consultant

Design engineer in the industrial sector

Design engineer in the research / scientific sector

Design engineer industry / public research

Academic staff

Further Study Opportunities

PhD

Interdisciplinary PhD in Sustainability Science (many disciplines possible)

Admission

Target audience

The E3A Master's program forms a continuum with the Bachelor's degrees in Science and Technology, Engineering Sciences (SPI), or Electronics, Electrical Energy, and Automation (E3A) offered by Université Paris-Saclay, Université d'Évry, and Université de Versailles.

The program is also open to graduates holding a Bachelor's degree in Physics, a University Technology Diploma (BUT) in Electrical Engineering and Industrial Computing (GEII), or a Bachelor's in Computer Science or Mathematics, depending on the chosen track.

Entry into the first year (M1) is open to students with a Bac+3 (Bachelor's level or equivalent). Admission into the second year (M2) requires completion of an M1 in the E3A field or an equivalent qualification.

Finally, the M1 and M2 tracks of the E3A program are open to international students with strong academic records and the necessary prerequisites. Some Master's programs are also offered as double-degree options in partnership with foreign universities and institutions.

<http://www.universite-paris-saclay.fr/formation/master/electronique-energie-electrique-automatique>