

Build a bright career in the challenging and quickly evolving embedded lighting field

Tuition
Language:
English

On Paris -
Saclay
Campus



**Advanced Master
by three Major Engineering
and Design Schools:**

Optics and Photonics by



Embedded Systems by



Design by





Embedded Lighting: a High-Tech Field

The vehicle lighting sector is currently undergoing major changes with the development of new technologies such as LED lights, as well as new and complex lighting systems functionalities. This changing landscape provides an opportunity to explore new avenues for innovation based on lasers, smart lighting solutions and new lighting functionalities.

Three major Engineering and design Schools in:

- Transportation Engineering (ESTACA)
- Optics & Photonics (IOGS Institut d'Optique Graduate School)
- Design (STRATE Ecole de design)

join their experience in engineer training to develop a high-level international Advanced Master designed for training cross-skilled engineers for the field of vehicle embedded lighting systems, actively supported by industrial players.

Strong connections:

3 International class research Laboratories at IOGS

- Laboratoire Charles Fabry (Palaiseau)
- ERIS at Laboratoire Hubert Curien (Saint Etienne)
- Photonique Numérique Nanosciences (LR2N) (Bordeaux)

2 Laboratories at ESTACA

- Mechanics-Materials and environment
- Embedded Systems and Energy in transport

4 Industrial founding Partners

PSA, Renault, Automotive Lighting, Valeo.

Associate partners

Osram, Bertrand.

Advanced Master Programme in Embedded Lighting Systems

A high-level international innovative programme: an integrated approach from design to production of embedded lighting systems, including headlights and rear lamps for the automotive industry.

The programme's curriculum brings together

- Creative design
- Optical and mechanical system design
- Simulation and virtual prototyping
- Embedded power and intelligence
- Certification of systems embedded in the connected or autonomous vehicles of tomorrow

Oriented towards the industry needs

- A programme run by leading experts in the field of vehicle embedded lighting systems
- A programme in close relation with its supporting industry
- Interesting career prospects in a sector currently hiring highly qualified graduates
- A syllabus designed to offer maximum employability rates



A higher education and research institution in photonics

Institut d'Optique Graduate School is a Grande école and a founding member of ParisTech and Paris Saclay University. Its international reputation is built on the quality of the education it offers and the major scientific contributions of its research centre. Institut d'Optique Graduate School trains engineering physicists and Master's and PhD students who go on to become some of the most innovative members of business and academia. Education, Research and Innovation are deployed on 3 sites: Palaiseau (Paris-Saclay), Saint-Etienne, Bordeaux 150 graduates per year (Engineering - Master of Science - PhD).

www.institutoptique.fr



A major European actor in the field of transports and mobility

Founded in 1925, ESTACA Graduate School of Engineering is highly specialised in the fields of aeronautics, automotive, space and railway industries. ESTACA is a member of ISAE group, 1st world cluster in aerospace training and research. Through innovative pedagogy and with its rapidly developing research center, it trains industrial engineers known for their technological know-how. ESTACA's graduates undertake the design, development and production of transport systems and components. The industry has ranked ESTACA among the best engineering schools for its expertise in the transportation fields.

www.estaca.fr



One of the best transportation design schools in the world

Created in 1993, Strate School of Design is one of the best Transportation design schools in the world. There is not a single car company without Strate alumni. Strate trains transportation designers for tomorrow, capable of developing a transversal and global vision of all mobility issues with a two fold objective of formal and conceptual excellence.

www.stratecollege.fr



Advanced Master ELS Practical Information

Eligibility

— This programme is open to all students with a Master of Science level.

— Applicants must hold a 4/5 year higher education degree (4 years with professional experience):

- An engineering degree recognized by the Commission des Titres d'Ingénieurs (Commission for Engineering Degrees)
- A Master degree or equivalent, (preferably in relevant scientific fields)
- A foreign degree equivalent to one of these.
- Applicants should have English language proficiency at the B2 level (minimum paper based TOEFL: 575 or TOEIC: 785)

— A limited number of applications, not fulfilling the degree criteria but with outstanding credentials.

Language of Tuition: English

Tuition fees

- 13 000 Euros: full fee
- 11 000 Euros: reduced fee for recently graduated students

Tuition waivers

Waivers for half or 100% of the tuition fees are possible for a limited number of self-sustained students

Admission process

Admission upon application files to be downloaded from:
<http://embedded-lighting.com/admissions/>
followed by an interview.

Timetable

- Application period from February 15th to July 15th
- Course: mid September - mid-February / 400h - 14 modules - 45 ECTS
- Internship: Mid February - End July - 30 ECTS

Informations

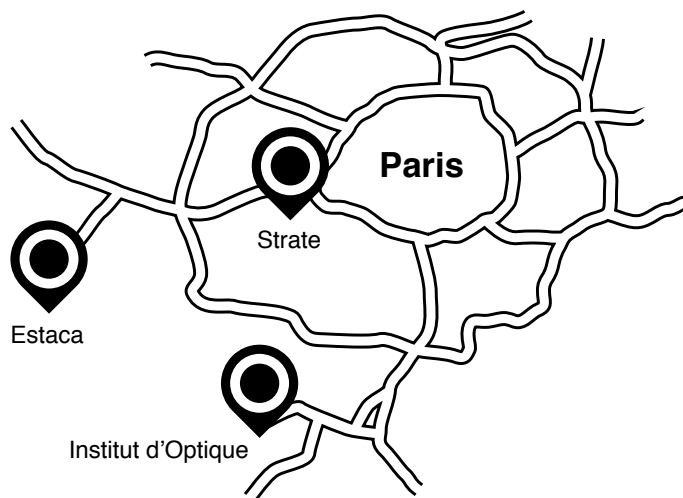
Information and application form:

admissions@embedded-lighting.com

Address:

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France

Locations in Paris area France



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