

## Electronics, Electrical Engineering and Applied Physics

Admitted students will be trained at Conservatoire national des arts et métiers – le Cnam, located at the center of Paris. Created in 1794, during the French Revolution on the location of a medieval monastery, le Cnam is a unique French institution of long-standing and deep scientific tradition.

The 1st year, Master 1, is composed of 670 hours of courses, including technical fundamental courses for the master program, French course, English course and the courses necessary for engineering career in professional world. The division of the core courses is as follows:

Mathematics, Signal processing and Transmissions (300 h)  
Wire and wireless networks (180h)  
Languages: French and English (110h)  
Enterprise organization, Engineering Career (80h)

The 2nd year, Master 2 is composed of 350 hours of courses, 40 h of personal project and between 5 to 6 months of professional mission in a company.

If the numbers of students are allowed, student can choose between 2 majors « High Rate Technologies » and « Professional/ Business Networks ». If the numbers of students are not allowed, a mixed program between those two majors will be recommended. Upon master graduation, students will have opportunities to follow their PhD programs with Cnam.

### **Internship/ Missions**

This master requires an internship in a company from 5 to 6 months during the 2nd semester of the 2nd year. Ideally, this internship will be conducted in a company having an international development. The internship integrates also the development objective.

### **Project/ Report**

This master integrates one month project in the 2nd year. The 5-6 month internship/ project in a company in the 2nd semester of 2nd year will lead to a report and a defense before a jury.

### **Mode of evaluation**

The master diploma will be given to students if they pass all the exams, evaluation and the defense.

**Code: MR146**

**Academic head:** Prof. [Pascal CHEVALIER](#)

**120 credits**

*The official title mention on the diploma:* International Master in Sciences and Technologies, mention Information, specialized in Telecommunications and Networks.

<https://eeap.cnam.fr/program-overview-942263.kjsp?RH=1507905468438>