

SCIENCES, INGÉNIERIE ET TECHNOLOGIES

# MASTER OF SCIENCE : ELECTRONIC SYSTEMS FOR EMBEDDED AND COMMUNICATING APPLICATIONS

MASTER IN AEROSPACE ENGINEERING



Niveau d'étude visé  
BAC +5



Diplôme  
Master (LMD)



Accessible en  
Formation continue,  
Formation initiale, VAE



Établissements  
INP - ENSEEIHT

## Présentation

2 internships (6 weeks + 6 months) in a laboratory or a company. One individually tutored project in a research team (100h tutoring), plus several project with small groups of students.

## Objectifs

Knowledge of analog and digital electronic systems. Knowledge of the embedded systems from the hardware point of view. Antenna and RF systems theory and applications. Signal and image processing in the communications and aeronautics systems. Power management of embedded and autonomous systems.

## Savoir-faire et compétences

To design electronic embedded systems. To design communicating systems in the radiofrequency domain. To Design power management for embedded systems. To develop signal and image processing in the context of communications and aeronautics.

## Admission

### Conditions d'admission

Bachelor of Science or equivalent in the domain of electronic engineering.

### Et après...

### Poursuite d'études

Manufacturers of electronic devices in the aeronautic context. Manufacturers in the hardware for embedded systems. Main companies in the aeronautics and automotive fields

### Insertion professionnelle

Manufacturers of electronic devices in the aeronautic context. Manufacturers in the hardware for embedded systems. Main companies in the aeronautics and automotive fields

# Infos pratiques


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## Lieu(x)

 Toulouse

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## En savoir plus

 <http://www.toulousetech.net/en/programs/master-of-science-XB/sciences-engineering-and-technologies-SIT/msc-electronic-systems-for-embedded-and-communicating-application-eseca-program-program1-msc-electronic-systems-for-embedded-and-communicating-application-eseca-2-en.html>

# Programme

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## Organisation

PhD in the domains of electronics, signal processing, communications, aeronautics and space.