

Master Electronique, énergie électrique, automatique

International Master in Embedded Systems Security - IMESS (formerly MISTRE)

Présentation

The Master IMESS focuses on critical and secure embedded systems: smart systems (car, building,...), IoT, distributed systems etc.



Why choose this Master Program

- Embedded systems are everywhere (IoT, cars, buildings, etc.)
- Safety and security of embedded systems are major concerns for our societies
- Strong connection with industry and laboratories which offer many jobs and PhD positions
- Master courses and practical work with the quality of Grenoble INP
- International experience with a deep integration among local French students.



Main thematic: Electronic Engineering / Computer Engineering / Computer Science / System Control

Admission

Conditions d'admission

- Computer Engineering: Digital Design (VHDL/Verilog, FPGA), Embedded Programming, Processor Architecture
- Computer Science: C and Java programming language

Candidature

[FSA online application form](#)

- ID Document
- CV and motivation letter
- Two recommendation letters
- Transcripts (copy of your last diploma obtained, transcripts of the two previous academic years and of the present academic year)
- Proof of B2 level in English (previous studies in English or English language certificate)

Application files will be assessed during one of the 2 admission committees. The deadlines for application are:

- February 29, for the March 12th admission committee;
- May 20th, for the June 30th admission committee.

Pré-requis obligatoires

- Electronic Engineering: General Electronics, Signal Processing, Modulation/Demodulation, RF Electronics basics, Antennas basics
- Computer Engineering: Digital Design (VHDL/Verilog, FPGA), Embedded Software Programming, Processor Architecture (RISC & ARM)
- Computer Science: C programming language, Bases of Object-oriented programming (Java), Graph theory basics, Operating System basics (Linux system programming)
- System Control: Scientific computing (ODE time integration), State Space Approach

Droits de scolarité

The institution applies the rules incurring the payment of differentiated fees by non-E.U students. The full amount of the owed registration fees is not necessarily to be paid at the start of the academic year: an instalment plan of payment may be scheduled.

In addition, the admitted students will receive information about the various scholarships available to Grenoble INP-UGA students."

Infos pratiques :

- > Composante : Grenoble INP - Esisar (Systèmes embarqués et réseaux intégrant électronique, informatique et technologies embarquées)
- > Niveau : Bac +5
- > Durée : 1 an
- > Type de formation : Formation initiale / continue
- > Lieu : Valence - Laffemas

Contacts

Directeur de la mention

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Contact administratif

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Programme

LIST OF COURSES:

- [Semester 1](#)
- [Semester 2](#)