

🕒 Notre offre de formation évolue ! Les programmes pour l'année 2027-2028 sont en cours de mise à jour et peuvent évoluer jusqu'au 28 novembre 2026. Les programmes de l'année universitaire 2026-2027 restent consultables en cas de besoin.

SCIENCES, TECHNOLOGIES, SANTÉ, INGÉNIERIE

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

Master Electronique, énergie électrique, automatique

Université
Grenoble Alpes



Niveau d'étude
visé
Bac +5



ECTS
60 crédits



Durée
1 an



Composante
Grenoble
INP - Esisar
(Systèmes
embarqués
et réseaux
intégrant
électronique,
informatique et
technologies
embarquées),
UGA



Langue(s)
d'enseignement
Anglais

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

Formation internationale : Formation tournée vers l'international

Dimension internationale

International exchange students are allowed to follow this master program, in the limit of the 16 places available. For more details please [click here](#)

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Admission

Conditions d'admission



Computer Engineering: Digital Design (VHDL/Verilog, FPGA), Embedded Programming, Processor Architecture

- **Computer Science:** C and Java programming language

- **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

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 evaluated by the admission committee. The application deadlines will be in the spring (updated information to follow).

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."

Pré-requis obligatoires

Les + de la formation

Class of 16 international students maximum. International exchange students are allowed to attend this master program, in the limit of the 16 places available.

All courses are taught in English

- **1st semester: 330 hours of class- 30 ECTS**
- **2nd semester: Internship – 30 ECTS**

Et après

Métiers visés

Careers

Examples of job opportunities:

- Embedded Software/Hardware Engineer or Developer
- Hardware Cybersecurity Engineer
- Distributed Systems Engineer

PhD opportunities: 🔗

Example of thematics:

- Hardware/Software Embedded and Communicating Systems
- Hardware/Software Security or Safety
- Distributed Systems Design

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- System Control

Infos pratiques



Directeur de la mention

Yann KIEFFER

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Contact administratif

Scolarité Master IMESS

✉ imess.int.staff@esisar.grenoble-inp.fr

Lieu(x) ville

📍 Valence

Campus

🏠 Valence - Briffaut

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Programme

Organisation



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- **1st semester: 330 hours of class- 30 ECTS**
- **2nd semester: Internship – 30 ECTS**

Spécificités du programme

LIST OF COURSES:

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