

Master in Electronics, electrical energy, automation

Electrical Engineering and Control Systems / WICS 2nd year

Presentation

The WICS (Wireless integrated circuits and systems) master is a master degree focusing in integrated circuit and system design for Analog/Mixed/RF & millimeterwave applications. It gives students the opportunity to learn advanced skill sets with projects led by high-level research units; the techniques and methodologies they will need to promote their research on an international level will be studied.

With a curriculum focusing on theoretical knowledge supported by practical applications, the WICS master prepares students for a career in both the international research community and the professional applications. As they finish their training, graduate students are fully ready to pursue a career in thriving fields such as the Internet of Things, future wireless communication systems, sensor networks, or medical applications.

Registration and scholarships

Access conditions

- 2nd year of master WICS degree : The prospective student should have completed at least four full years of University studies (a first year of master's degree, bachelor or equivalent degree with 240 ECTS), have followed basic classes in Electronics and Radio Frequency and prove an English proficiency with CEFR (B2), TOEFL (IBT 87-109), IELTS (5.5-6.5), TOEIC (785-945) or equivalent. Students coming from English-speaking countries or/and who had a University curriculum in English are considered proficient enough. If you don't have the opportunity to take the test in your home University, an English test is organized during the first week of the classes, to check the level of everyone

skin.odf-uga:SKIN_ODF_CONTENT_PROGRAM_CANDIDATURE_LABEL

You want to apply and register?

Simply follow this [link](#) to get started

Practicals informations :

- > Component : UFR PhITEM (physique, ingénierie, terre, environnement, mécanique)
- > Location(s) : Grenoble - Scientific Polygon

Contacts

Program director

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Program

Master 2nd year

Semester 9

UE Radiofrequency Communication Systems	6 ECTS
UE Radiofrequency Integrated Circuits	6 ECTS
UE Microwave Circuits	6 ECTS
UE Antennas and Electromagnetic Compatibility	3 ECTS
UE Integrated technologies & process of fabrication	3 ECTS
UE Research lab work (part I)	3 ECTS
UE Specialty courses	3 ECTS

Semester 10

UE Research internship	24 ECTS
UE Research lab work (part II)	3 ECTS
1 option(s) to choose from 1	
UE French as a foreign language	3 ECTS
UE English	3 ECTS