

Computer engineering standard 2nd year

Master in Computer science



Duration
1 year



Component
UFR IM2AG
(informatique,
mathématiques
et
mathématiques
appliquées)



Language(s) of
instruction
English

Presentation

The Computer engineering program is a vocational training course in the field of **general software engineering**. The course focuses on the mastery of computer engineering methods and tools and offers specialization in the following areas : human-machine interaction, distributed and embedded systems as well as database and information systems. Training exists in two forms but with the same shared lessons (except for two teaching units):

- One for the **classical student** (status of intern during his/her presence in the company)
- The other in **block-release** (for an apprenticeship contract, a contract for professionalization, and a contract to provide professional training)

Skills

Master of computer engineering methods and tools

International education : Internationally-oriented programmes

Organisation

Abroad internship : In France or abroad


Admission

Access conditions

The second year master's is accessible to candidates according to their transcripts (and/or interview) :


- Having validated the first year of a compatible course - or by validating studies or acquired experience according to the conditions determined by the university or the training
- Public continuing education : You are in charge of continuing education :

- if you resume your studies after 2 years of interruption of studies
- or if you followed a formation under the regime formation continues one of the 2 preceding years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training,  you can undertake a validation of personal and professional achievements (VAPP)

Candidature / Application

Do you want to apply and register? Note that the procedure differs depending on the degree considered, the degree obtained, or the place of residence for foreign students.

 Find out which procedure applies to me and apply

Fees

Tuition fees 2019-2020 : 243 €

And after

Professional integration statistics

In the 2014-2015 survey, 18 respondent graduates were in the labour market (employment+research). Of these, 94% were employed 30 months after graduation.

Targeted trades

General software engineer

Useful info

Contacts

Program director

Philippe Lalanda

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Program administration

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Course location(s) - City

📍 Grenoble

Campus

🏠 Grenoble - University campus

Program

Master 2nd year

Semester 9

	Nature	CM	TD	TP	Crédits
UE ECOM integration project	Teaching Unit (UE)	18h	18h	27h	6 credits
UE Principles of agile methods	Teaching Unit (UE)	12h	20h		3 credits
UE Communication skills in English	Teaching Unit (UE)		30h		3 credits
UE Security of information systems	Teaching Unit (UE)	15h	15h		3 credits
UE Man-machine interaction : multimodality and mobility	Teaching Unit (UE)	18h		12h	3 credits
UE Multimedia documents : automatic description and search	Teaching Unit (UE)	15h	15h		3 credits
UE Distributed systems and applications	Teaching Unit (UE)	18h		12h	3 credits
UE Communicating embedded systems for the internet of things	Teaching Unit (UE)	21h		9h	3 credits
UE e-services for M2M and the internet of things	Teaching Unit (UE)	15h	15h		3 credits
UE Wide scale data	Teaching Unit (UE)	15h	15h	10h	3 credits
UE Data analysis, data web and semantic web	Teaching Unit (UE)	15h	15h		3 credits
UE Advanced validation techniques/tests	Teaching Unit (UE)	15h	15h		3 credits
UE Principles and techniques of model-driven engineering	Teaching Unit (UE)	15h	15h		3 credits
UE Mobile development project	Teaching Unit (UE)	30h			3 credits

Semester 10

	Nature	CM	TD	TP	Crédits
UE Conduct of software projects in companies	Teaching Unit (UE)				24 credits
UE Software engineering : life cycle and quality	Teaching Unit (UE)	45h	15h		6 credits