

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

✉ Philippe.Lalanda@grenoble-inp.fr

Program administration

Carolyn Cargnel

☎ 04.57.42.25.73

✉ carolyn.cargnel@univ-grenoble-alpes.fr

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