Université Paris-Saclay
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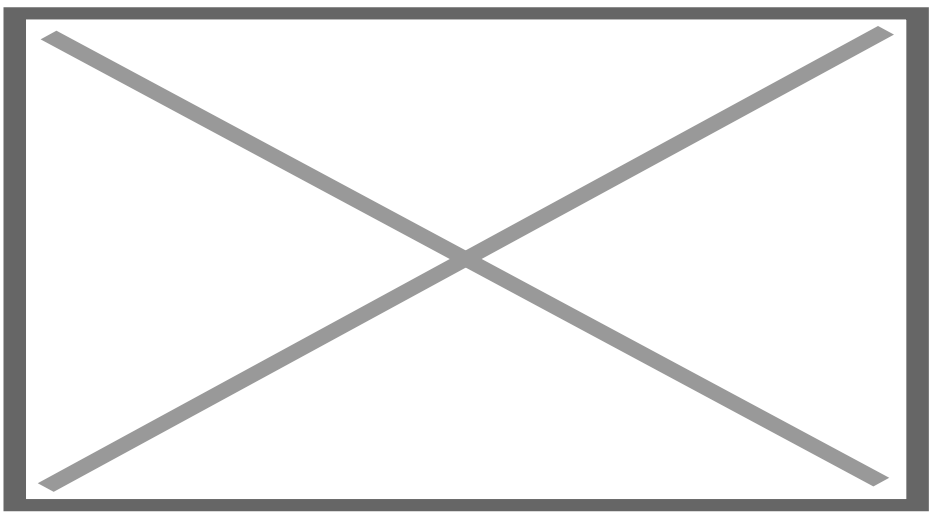
M1 Human computer Interaction

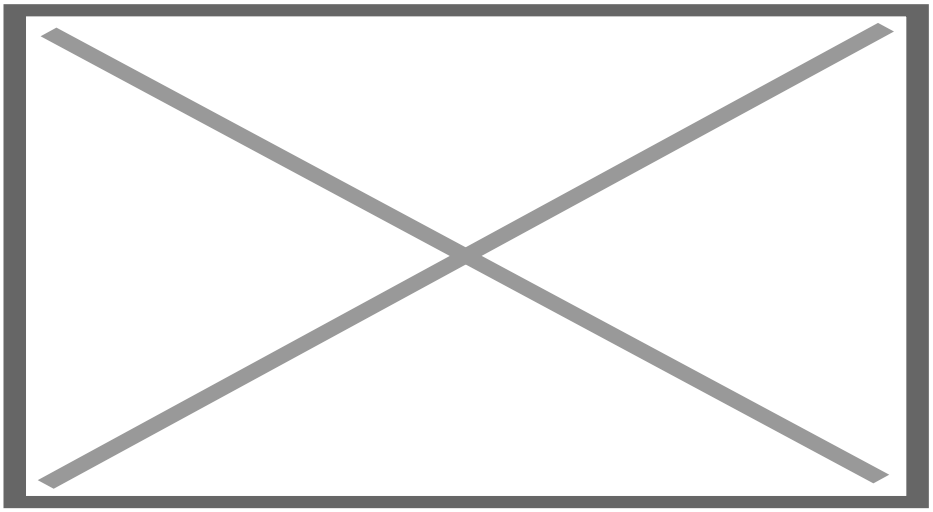
Master's degree
Specialisation Computer Science
Enrolment type
Formation initiale
Formation continue
Language(s) of instruction
English

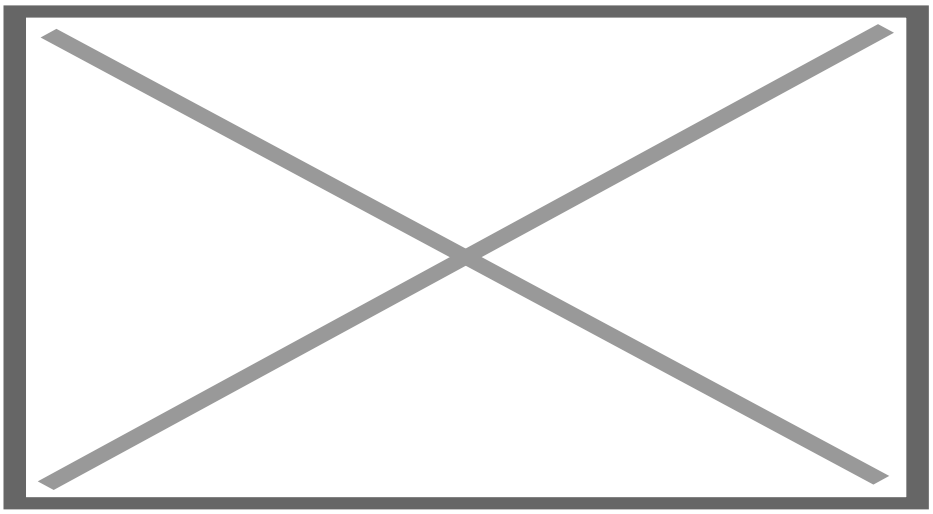
The domain of Human-Computer Interaction is attracting considerable attention in many areas of industry and digital technologies in general. This master prepares students for jobs in academic research, research and development, industry and consulting: interaction designer, user interface specialist, designer and project manager of interactive applications on various supports: desktop computer, web, mobile, virtual and augmented reality.

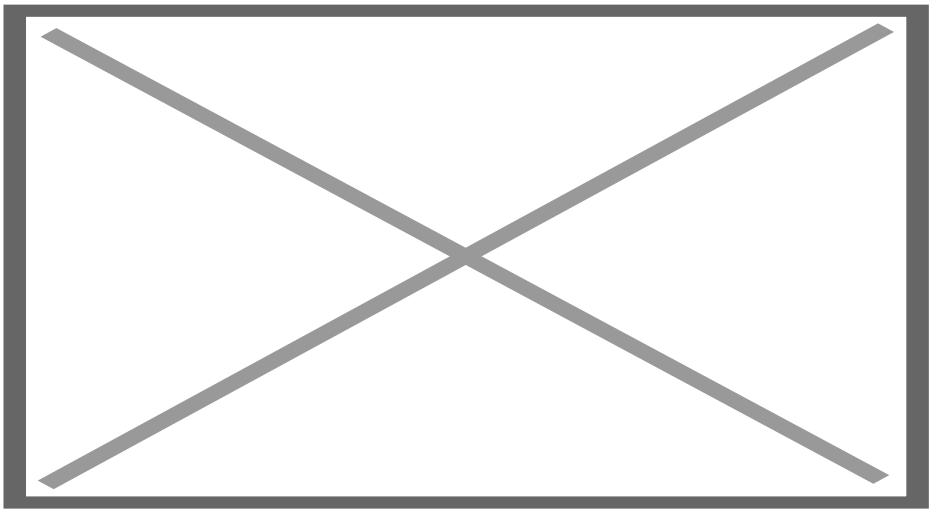
The suitability of digital systems to user needs is a determining factor in the acceptability of systems and, ultimately, in the success of any digital product. Paris-Saclay University has one of the largest human-computer interaction research departments in Europe. The Human Computer Interaction program is ideal for jobs in companies with departments specializing in interaction design and in numerous university research teams working on the topic of human-machine interaction. This master's degree is taught entirely in English. It is a two-year program, divided into four semesters, but enrollment is only possible in September. The final semester is devoted to internships, which can be completed in a public laboratory or in industry.

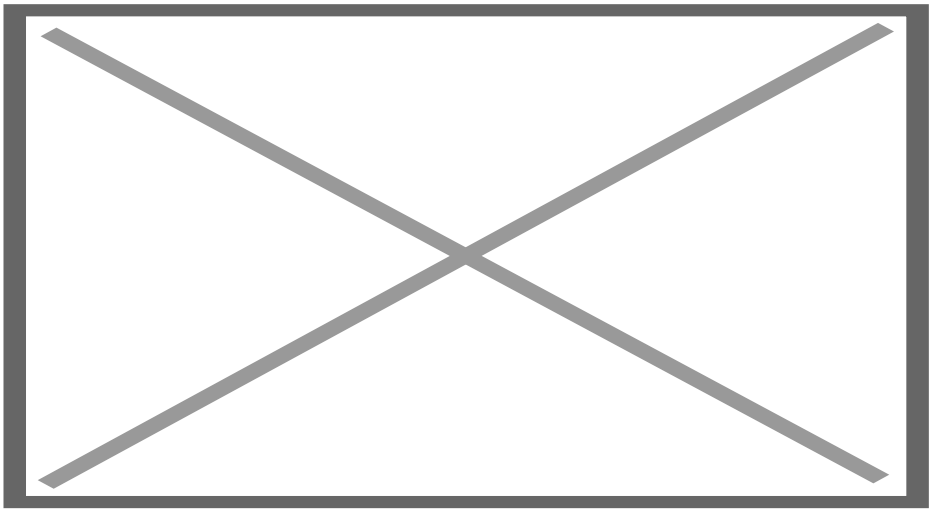
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Apply Now











Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

- Have insight and be able to explain the fundamental concepts of human-computer interaction
- Have expertise techniques needed to design and implement interactive human-computer systems using a user-centered approach
- Have expertise in methods for evaluating and comparing interactive human-computer systems adapted to the needs of their users

Objectives

- This curriculum covers the fundamental aspects of interaction, emphasizing multidisciplinary aspects, user-centered design and evaluation methods, and a wide range of forms of interaction
- It addresses Human-Computer Interfaces in their various forms: graphical, hybrid, tangible, multimodal, multi-surface, tactile, mobile, etc.
- It offers training in Virtual and Augmented Reality and its applications to video games, design, simulation, and training

Calendar

Start of programme (indicative date)
31/08/2026
Admission

Admission Route

Computer Science
Mathematics and computer science applied to human and social sciences
Engineering Sciences

Capacity

Available Places

20

Target Audience and Entry Requirements

- B.Sc. degree in computer science, computer engineering or electrical engineering. We do however accept students from fields other than computer science (e.g., industrial design, cognitive sciences), but only in limited numbers, if their academic results are truly excellent and if they have been able to upgrade their computer skills
- Object Oriented Programming (Not only CMS) and some math
- English level B2 (Common European Framework of Reference for Languages) or above. You don't need to speak French, as the program is entirely taught in English

Période(s) de candidature

Inception Platform

From 15/01/2026 to 16/03/2026

MonMaster Platform

From February 17th to March 16th, 2026

To find out which platform you should apply through, please see the Masters' applications and enrolment page.

Supporting documents

Compulsory supporting documents

Copy diplomas.

Motivation letter.

La lettre de motivation doit être en anglais

All transcripts of the years / semesters validated since the high school diploma at the date of application.

transcript of records in English or French

Certificate of English level (compulsory for non-English speakers).

Our HCI master is taught in English. You must provide proof of English language proficiency. IELTS: Overall score >= 6.0. TOEFL: Overall score >= 90. TOEIC >= 785 Some waivers: having completed a higher education degree instructed in English.

Curriculum Vitae.

CV in english

Selection sheet completed.

https://cirrus.universite-paris-saclay.fr/s/jDS4JG5znqpeqRi

Additional supporting documents

Supporting documents (TOEFL, TOEIC, certificate of a teacher ...) of a level of a foreign language.

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Supporting documents :
- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le c
[HCI] Interactive Machine Learning	3	Semester 2	10.5	10.5					
Charger le détail									
[HCI] Programming of Interactive Systems	3	Semester 1	21						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le c
[HCI] Advanced Web Development	3	Semester 1	10.5	10.5					
Charger le détail									
[HCI] Design of Interactive Systems	3	Semester 1	10.5	10.5					
Charger le détail									
[HCI] Designing Human-centered AI	3	Semester 2	10.5	10.5					
Charger le détail									
[HCI] Evaluation of Interactive Systems	3	Semester 1	10.5	10.5					
Charger le détail									
[HCI] Fundamental of Human-Computer Interaction	3	Semester 1	10.5	10.5					
Charger le détail									
[HCI] Advanced Topics in Human-Computer Interaction	3	Semester 1	10.5	10.5					
Charger le détail									
[HCI] Fundamentals of eXtended Reality	3	Semester 1	10.5	10.5					
Charger le détail									
[HCI] Generative Theories of Interaction	3	Semester 2	10.5	10.5					

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea c
UEs disciplinaires d'ouverture obligatoires									
[DKAI] Interactive Information Visualization	3	Semestre 2	10.5	10.5					
Charger le détail									
[AI] Machine Learning Basics 1	3	Semestre 1							
Charger le détail									
[AI] Hands on machine learning with scikitlearn	3	Semestre 1	9	12					
Charger le détail									
1 UE à choix									
[AI] Speech and Language Processing	3	Semestre 2	10.5	10.5					
Charger le détail									
[IDSMH] Introduction to cognitive science	3	Semester 1							
Charger le détail									
History and Societal Impact of AI	3	Semestre 1	10.5	10.5					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practic class
1 UE Soft Skill à choisir								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed	Lecture/practical	directed study/practic class
Innovation et Entreprenariat	3	Semester 2	10.5	10.5				
Charger le détail								
Impacts Environnementaux du numérique	3	Semester 2	10.5	10.5				
Charger le détail								
CAD design for 3D printing	3	Semestre 2	10.5	10.5				
Charger le détail								
The art of fabricating tangible surfaces	3	Semestre 2	10.5	10.5				
Charger le détail								
History and Societal Impact of AI	3	Semestre 1	10.5	10.5				
Charger le détail								
UE libre ou langue								
History and Societal Impact of AI	3	Semestre 1	10.5	10.5				
Charger le détail								
Français langue étrangère	3	Semester 2	10.5	10.5				
Charger le détail								
Anglais	3	Semester 2	10.5	10.5				
Charger le détail								
UE libre	3	Semestre 2						
Charger le détail								
UEs obligatoires								
Ecole thématique HCI	6	Semester 2		21				
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practic class
TER HCI	6	Semestre 1			21			

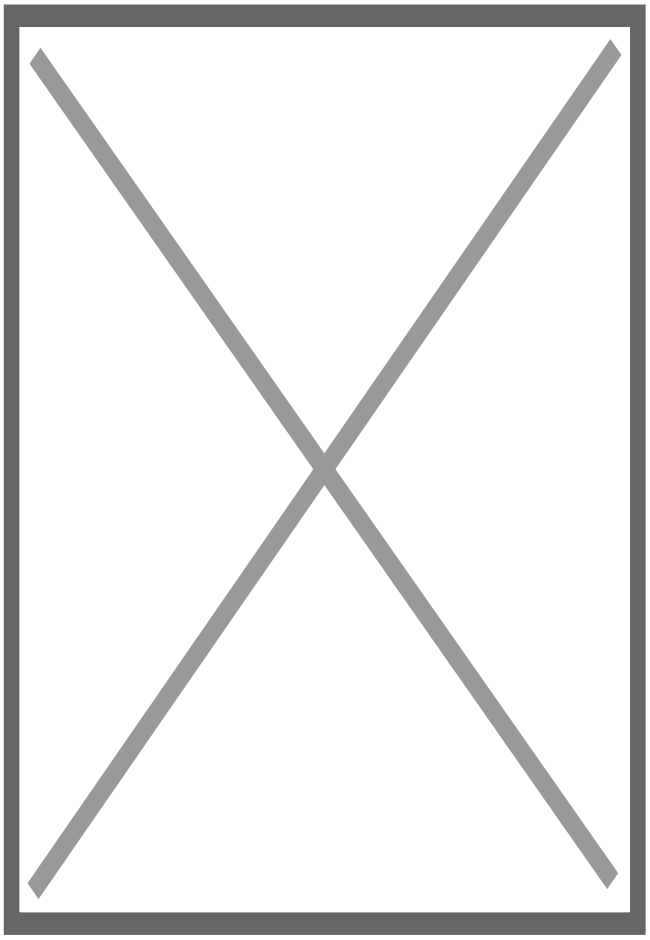
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Teaching Location(s)

ORSAY
GIF SUR YVETTE
PARIS 15
PALAISEAU

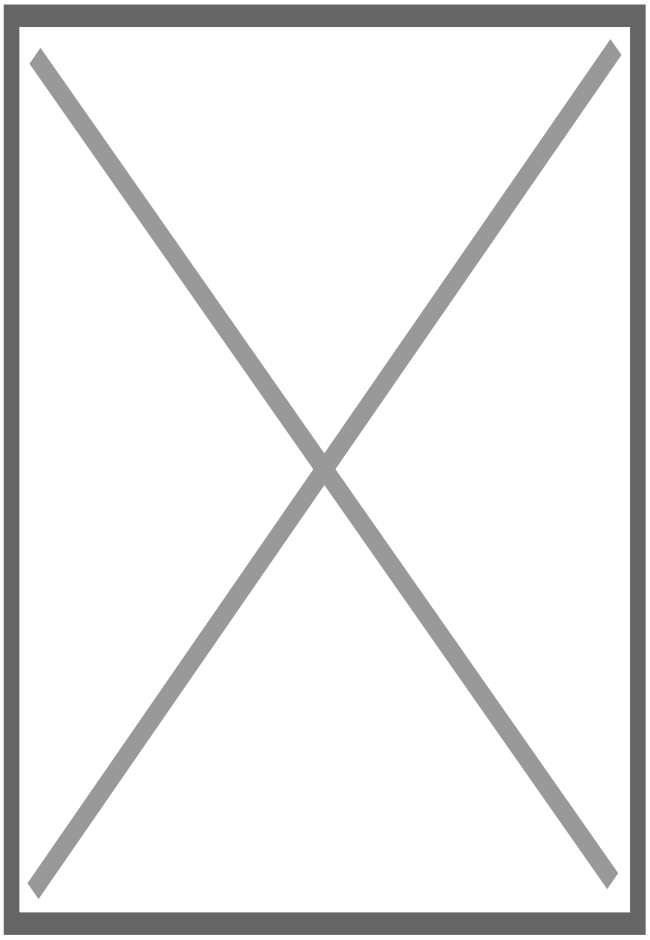
Training campus

Javascript est requis pour visualiser cette carte.



Orsay Bures

Orsay / Bures-sur-Yvette
Bus 4607, 4626
RER B Orsay ville ou Bures-sur-Yvette
Voir
Library
Community center



Saclay Moulon

Saclay / Gif-sur-Yvette / Orsay
Bus 4606 / 4609 / 4611 / 5154
RER B Le guichet
Voir
Student restaurant (CROUS)
Library
Sports facilities
Student residence

Contact

- **Ouriel GRYNSZPAN**

http://www.universite-paris-saclay.fr/formation/master/informatique/m1-human-computer-interaction