Université Paris-Saclay

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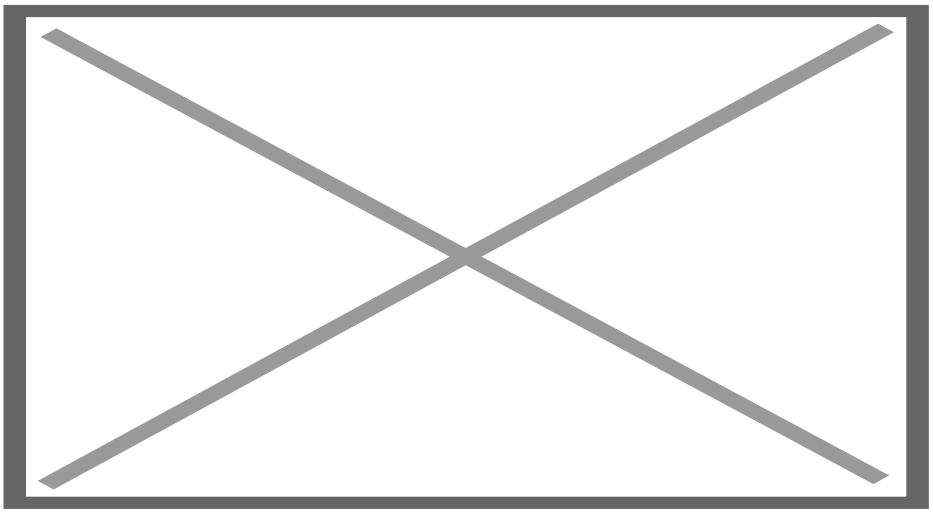
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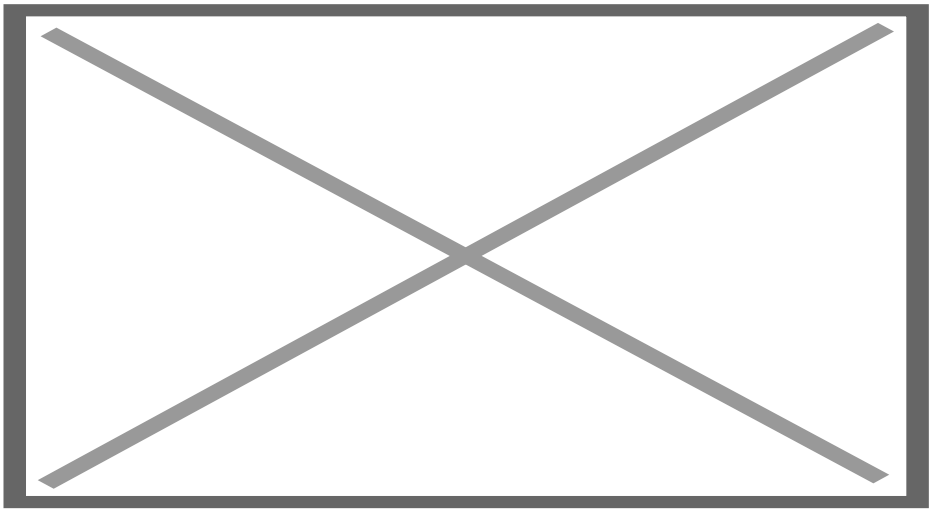
M1 Ingénierie des réseaux et des systèmes – Voie initiale -continue

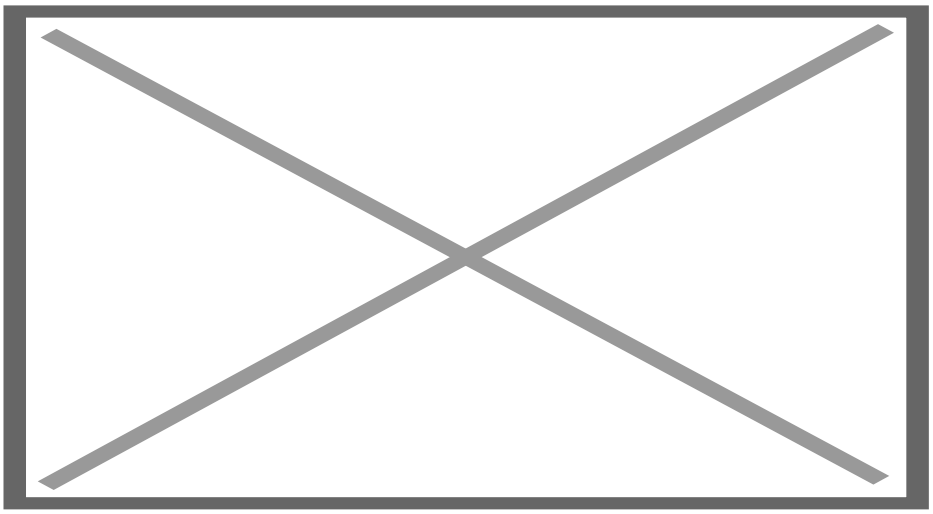
Master's degree
Specialisation Computer Science
Enrolment type
Formation initiale
Language(s) of instruction
French

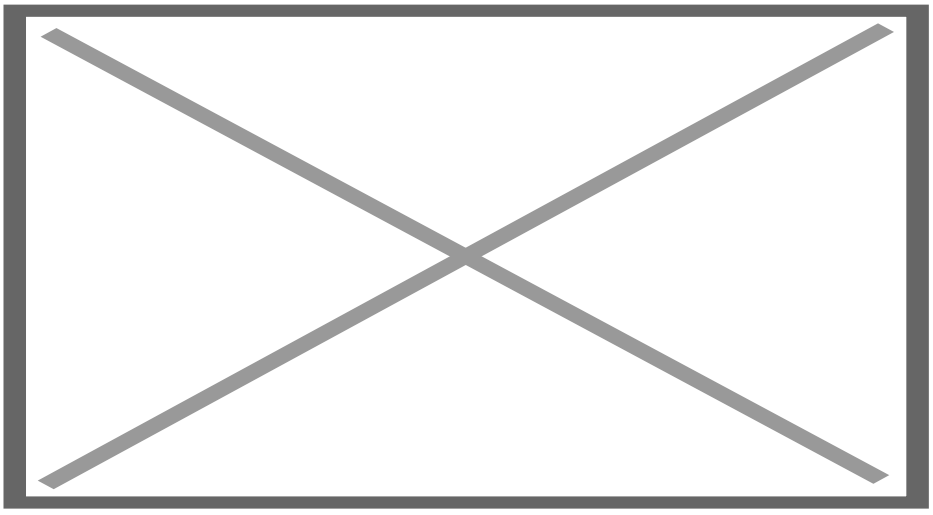
The year is organized into 2 semesters, and the UEs are grouped into skill blocks.

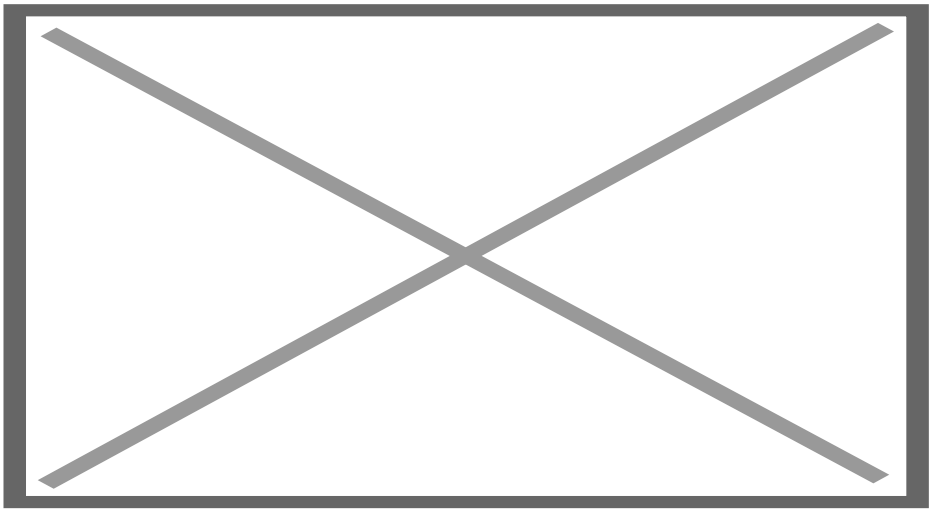
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Information

- Overview
- Application requirements
- Schedule

Présentation

Objectives

This career and research path is based on theoretical knowledge and trains network and telecoms architect engineers and PhDs whose role will be to design and model the architectures and security systems to be implemented in companies. This course is offered on an initial and sandwich/apprenticeship basis, in collaboration with companies representing operators, key accounts, service companies and research laboratories. The course is also open to the business world through continuing education.

Admission

Admission Route

Computer Science

Capacity

Available Places

24

Target Audience and Entry Requirements

Licence informatique or equivalent

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

Motivation letter.

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

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

Recommendation letters.

Selection sheet completed.

Additional supporting documents

Certificate of French (compulsory for non-French speakers).

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	dis lea c
Réseaux et Systèmes	5	Semestre 1							
Charger le détail									
Modélisation stochastique et simulation	5	Semestre 1	15	30					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Complément de programmation	2	Semestre 1	9	21				
Charger le détail								
Complément de Maths Discrètes	1.5	Semestre 1	9	15				
Charger le détail								
Complément d'Algorithmique et Complexité	1.5	Semestre 1	9	15				
Charger le détail								
Bases de données et logique	5	Semestre 1						
Charger le détail								
Algorithmique de graphes	5	Semestre 1						
Charger le détail								
Cryptographie	5	Semestre 1	15	30				
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista learn cou
Réseaux étendus	4	Semestre 2							

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distar learn cou
Charger le détail									
Protocoles IP	4	Semestre 2							
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
TER	4.5	Semestre 2		40				
Charger le détail								
Programmation, GL et preuves	4	Semestre 2						
Charger le détail								
Anglais	4	Semestre 2		30				
Charger le détail								
Impact environnemental du numérique	1.5	Annualisé	6	9				
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le
Tuning de BD	4	Semestre 2							
Charger le détail									
Conception de BD	4	Semestre 2							
Charger le détail									
Calcul Sécurisé	4	Semestre 2	12	24					
Charger le détail									
Application Web et sécurité	4	Semestre 2	12	24					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le
Résolution de problèmes combinatoires et apprentissage Charger le détail	4	Semestre 2	12	24					
IA: apprentissage supervisé Charger le détail	4	Semestre 2	12	24					
UE au choix Paris-Saclay ou UVSQ Charger le détail	4	Semestre 2							

Teaching Location(s)

VERSAILLES

Contact

- **Mourad GUEROUI**

http://www.universite-paris-saclay.fr/formation/master/informatique/m1-ingenierie-des-reseaux-et-des-systemes