

Share



Email destinataire :

Vous devez renseigner un email valide

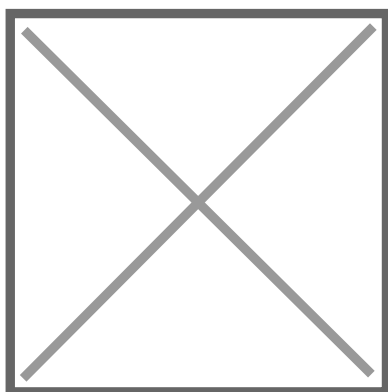
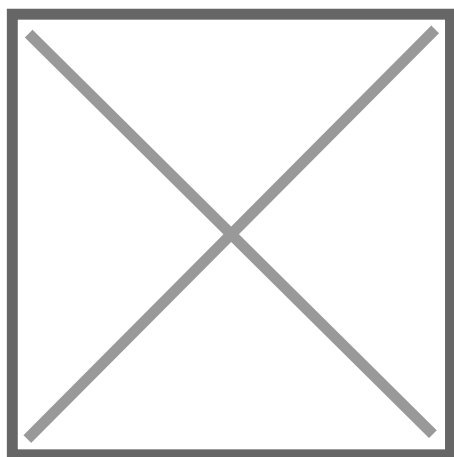
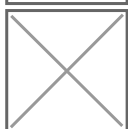
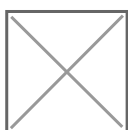
Envoyer

Une erreur est survenue. Merci de réessayer ultérieurement

Le mail de partage a bien été envoyé.

Add to Compare

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



Master's degree

Specialisation Computer Science

Enrolment type

Full-time academic programmes

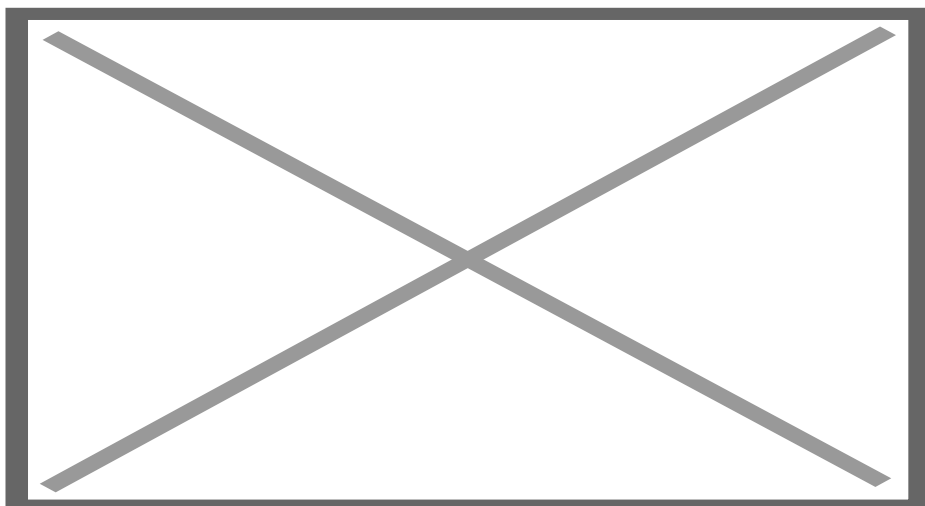
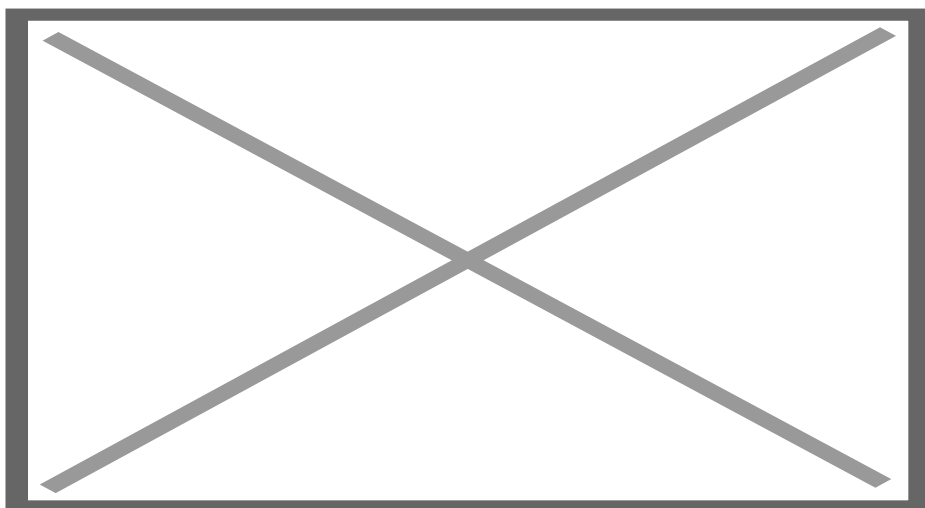
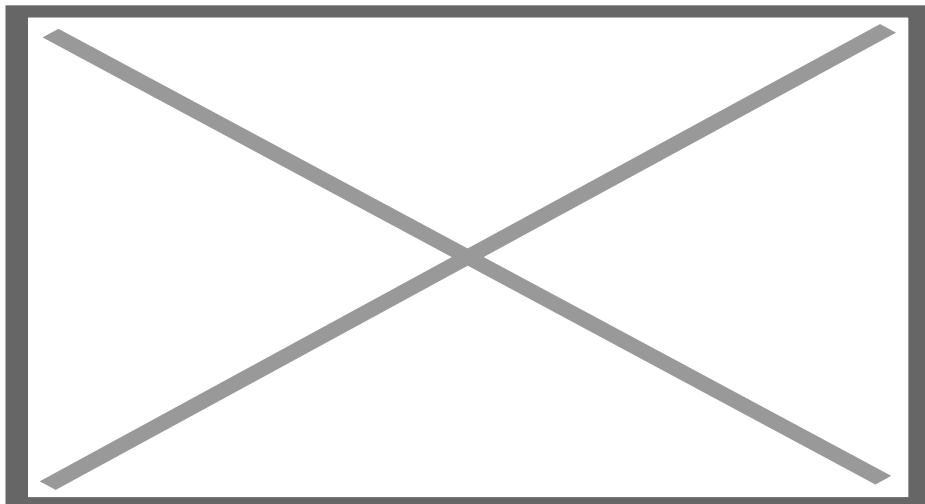
Language(s) of instruction

French

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

[Télécharger la fiche détaillée](#)

[Apply Now](#)





■ ■

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

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

Socle fondamental1

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis
Réseaux et Systèmes	5	Semestre 1							
■									

Réseaux et Systèmes

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Modélisation](#)

[stochastique](#) 5 Semestre 15 30
[et simulation](#) 1

■

Modélisation stochastique et simulation

ECTS : 5

Semester: Semestre 1

Detail

Lecture: 15

Directed study: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Compétences et connaissances de base"

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				
■								

Complément de programmation

ECTS : 2

Semester: Semestre 1

Detail

Lecture: 9

Directed study: 21

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Complément de Maths Discrètes	1.5	Semestre 1	9	15
---	-----	------------	---	----

■

Complément de Maths Discrètes

ECTS : 1.5

Semester: Semestre 1

Detail

Lecture: 9

Directed study: 15

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Complément d'Algorithmique et Complexité	1.5	Semestre 1	9	15
--	-----	------------	---	----

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

■

Complément d'Algorithmique et Complexité

ECTS : 1.5

Semester: Semestre 1

Detail

Lecture: 9

Directed study: 15

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Il s'agit d'un cours qui revoit les bases de l'algorithmique polynomiale ainsi que les bases de la complexité.

Type of assessment

Evaluation Continue non Intégrale

[Bases de données et logique](#)

5

Semestre
1

■

Bases de données et logique

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Algorithmique de graphes](#)

5

Semestre
1

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-------------------



Algorithmique de graphes

ECTS : 5

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Cryptographie	5	Semestre 1	15	30
-------------------------------	---	------------	----	----



Cryptographie

ECTS : 5

Semester: Semestre 1

Detail

Lecture: 15

Directed study: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Socle fondamental2

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-------------------

Réseaux étendus	4	Semestre 2							
---------------------------------	---	------------	--	--	--	--	--	--	--

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
■									

Réseaux étendus

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Fondements des réseaux de télécommunications.

Type of assessment

Evaluation Continue non Intégrale

[Protocoles](#) 4 Semestre
[IP](#) 2

■

Protocoles IP

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Compétences et connaissances transverses

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
TER	4.5	Semestre 2		40				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

■

TER

ECTS : 4.5

Semester: Semestre 2

Detail

Directed study: 40

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Programmation,](#) 4 Semestre

[GL et preuves](#) 2

■

Programmation, GL et preuves

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Anglais](#) 4 Semestre

2 30

■

Anglais

ECTS : 4

Semester: Semestre 2

Detail

Directed study: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Impact](#)

[environnemental](#) 1.5 Annualisé 6 9

[du numérique](#)

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
■								

Impact environnemental du numérique

ECTS : 1.5

Semester: Annualisé

Detail

Lecture: 6

Directed study: 9

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Détail renseigné au niveau Élément Constitutif

Bloc optionnel

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di
Tuning de BD	4	Semestre 2							
■									

Tuning de BD

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Conception de BD](#)

4 Semestre 2

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

Conception de BD

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Fondements des Bases de données et de la logique.

Type of assessment

Evaluation Continue non Intégrale

Calcul	4	Semestre	12	24
Sécurisé		2		

Calcul Sécurisé

ECTS : 4

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 24

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Bases de cryptographie.

Type of assessment

Evaluation Continue non Intégrale

Application		Semestre	12	24
Web et sécurité	4	2		



Application Web et sécurité

ECTS : 4
Semester: Semestre 2
Detail
Lecture: 12
Directed study: 24
Language(s) of instruction
Français
Remote teaching
non
Prerequisites

Bases de cryptographie.

Type of assessment
Evaluation Continue non Intégrale

[Résolution de problèmes combinatoires et apprentissage](#) 4 Semestre 2 12 24



Résolution de problèmes combinatoires et apprentissage

ECTS : 4
Semester: Semestre 2
Detail
Lecture: 12
Directed study: 24
Language(s) of instruction
Français
Remote teaching
non
Type of assessment
Evaluation Continue non Intégrale

[IA: apprentissage supervisé](#) 4 Semestre 2 12 24

IA: apprentissage supervisé

ECTS : 4

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 24

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[UE au choix](#)

[Paris-Saclay](#)

[ou UVSQ](#)

4

Semestre

2

UE au choix Paris-Saclay ou UVSQ

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Anglais

Remote teaching

non

Type of assessment

Détail renseigné au niveau Élément Constitutif

Teaching Location(s)

VERSAILLES

Contact

•

Mourad GUEROUI

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