

Share



Email destinataire :

Vous devez renseigner un email valide

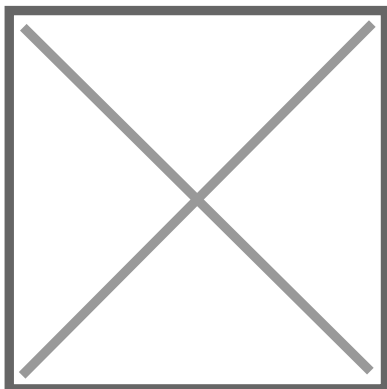
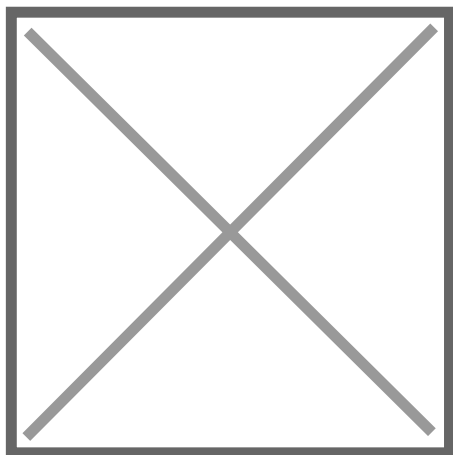
Envoyer

Une erreur est survenue. Merci de réessayer ultérieurement

Le mail de partage a bien été envoyé.

Add to Compare

# M1 Algorithmique et Modélisation à l'Interface des Sciences



Master's degree

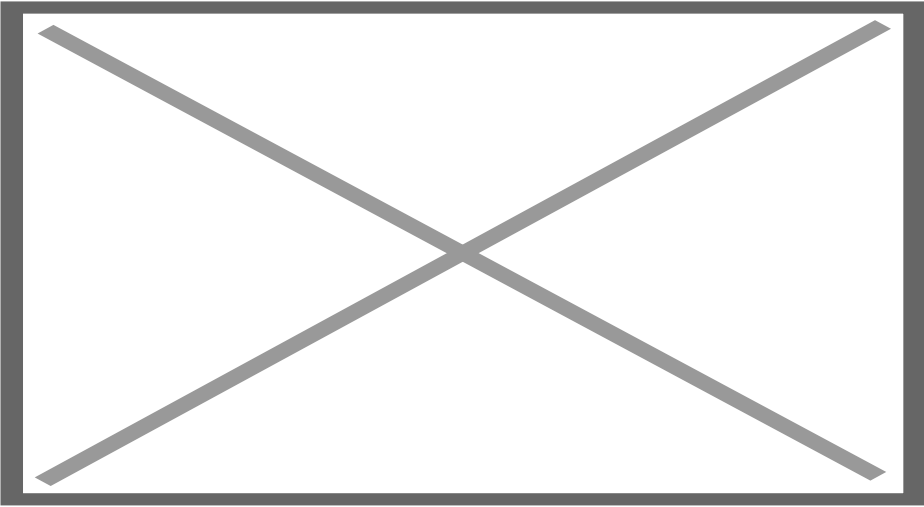
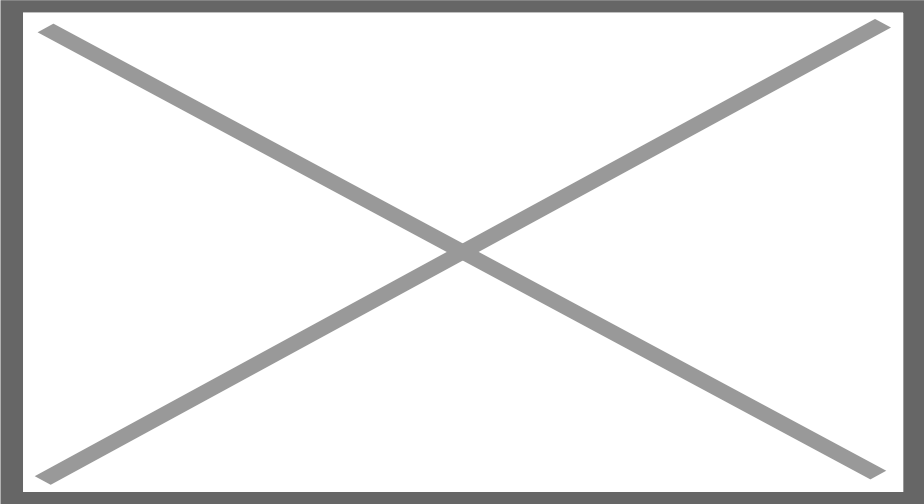
Specialisation Computer Science

Language(s) of instruction

French

[Télécharger la fiche détaillée](#)

[Apply Now](#)





■ ■

## Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

## Calendar

Start of programme (indicative date)

07/09/2026

Admission

## Admission Route

Computer Science

## Capacity

## Available Places

28

## 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.

Selection sheet completed.

### Additional supporting documents

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

Compétences et connaissances de base

| Subjects                            | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|-------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
| <a href="#">Réseaux et Systèmes</a> | 5    | Semestre 1 | 15      | 30             |                 |                        |                         |                                |

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



## Réseaux et Systèmes

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

|                               |   |            |    |    |
|-------------------------------|---|------------|----|----|
| <a href="#">Cryptographie</a> | 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

|                                             |   |            |   |    |
|---------------------------------------------|---|------------|---|----|
| <a href="#">Complément de programmation</a> | 2 | Semestre 1 | 9 | 21 |
|---------------------------------------------|---|------------|---|----|

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

## 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 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 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

Type of assessment

Evaluation Continue Intégrale

|                                             |   |            |    |    |
|---------------------------------------------|---|------------|----|----|
| <a href="#">Bases de données et logique</a> | 5 | Semestre 1 | 15 | 30 |
|---------------------------------------------|---|------------|----|----|

■

## Bases de données et logique

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 fondamental 1

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

|                                          |   |            |    |    |
|------------------------------------------|---|------------|----|----|
| <a href="#">Algorithmique de graphes</a> | 5 | Semestre 1 | 15 | 30 |
|------------------------------------------|---|------------|----|----|

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

## Algorithmique de graphes

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

[Modélisation  
stochastique  
et simulation](#)

5

Semestre  
1

15

30

## 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 transverses

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

[Anglais](#)

4

Semestre  
2

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

■

## Anglais

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue Intégrale

|                                              |   |            |    |    |
|----------------------------------------------|---|------------|----|----|
| <a href="#">Programmation, GL et preuves</a> | 4 | Semestre 2 | 12 | 24 |
|----------------------------------------------|---|------------|----|----|

■

## Programmation, GL et preuves

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

|                     |     |            |     |
|---------------------|-----|------------|-----|
| <a href="#">TER</a> | 4.5 | Semestre 2 | 1.5 |
|---------------------|-----|------------|-----|

■

## TER

ECTS : 4.5

Semester: Semestre 2

Detail

Directed study: 1.5

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue Intégrale

|                                                     |     |            |   |   |
|-----------------------------------------------------|-----|------------|---|---|
| <a href="#">Impact environnemental du numérique</a> | 1.5 | Semestre 2 | 6 | 9 |
|-----------------------------------------------------|-----|------------|---|---|

| 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: Semestre 2

Detail

Lecture: 6

Directed study: 9

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue Intégrale

Socle fondamental 2

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

[Résolution de problèmes combinatoires et apprentissage](#)



## 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](#)

Semestre 2 12 24

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dist |
|----------|------|----------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|------|
| ■        |      |          |         |                |                 |                        |                         |                                |      |

## 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

Bloc optionnel

| Subjects                                | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dist |
|-----------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|------|
| <a href="#">UE UVSQ ou Paris-Saclay</a> | 4    | Semestre 2 |         |                |                 |                        |                         |                                |      |
| ■                                       |      |            |         |                |                 |                        |                         |                                |      |

## UE UVSQ ou Paris-Saclay

ECTS : 4

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Tuning de BD](#) 4 Semestre 2 12 24

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

■

## Tuning de BD

ECTS : 4

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 24

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

[Application](#)

|                          |   |          |    |    |
|--------------------------|---|----------|----|----|
| <a href="#">Web et</a>   | 4 | Semestre | 12 | 24 |
| <a href="#">Sécurité</a> |   | 2        |    |    |

■

## Application Web et Sécurité

ECTS : 4

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 24

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue Intégrale

[Réseaux](#)

|                         |   |          |    |    |
|-------------------------|---|----------|----|----|
| <a href="#">étendus</a> | 4 | Semestre | 12 | 24 |
|                         |   | 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

Detail

Lecture: 12

Directed study: 24

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Fondements des réseaux de télécommunications

Type of assessment

Evaluation Continue non Intégrale

|                               |   |            |    |    |
|-------------------------------|---|------------|----|----|
| <a href="#">Protocoles IP</a> | 4 | Semestre 2 | 12 | 24 |
|-------------------------------|---|------------|----|----|

■

## Protocoles IP

ECTS : 4

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 24

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Fondements des réseaux de télécommunications

Type of assessment

Evaluation Continue non Intégrale

|                                  |   |            |    |    |
|----------------------------------|---|------------|----|----|
| <a href="#">Conception de BD</a> | 4 | Semestre 2 | 12 | 24 |
|----------------------------------|---|------------|----|----|

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

## Conception de BD

ECTS : 4

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 24

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

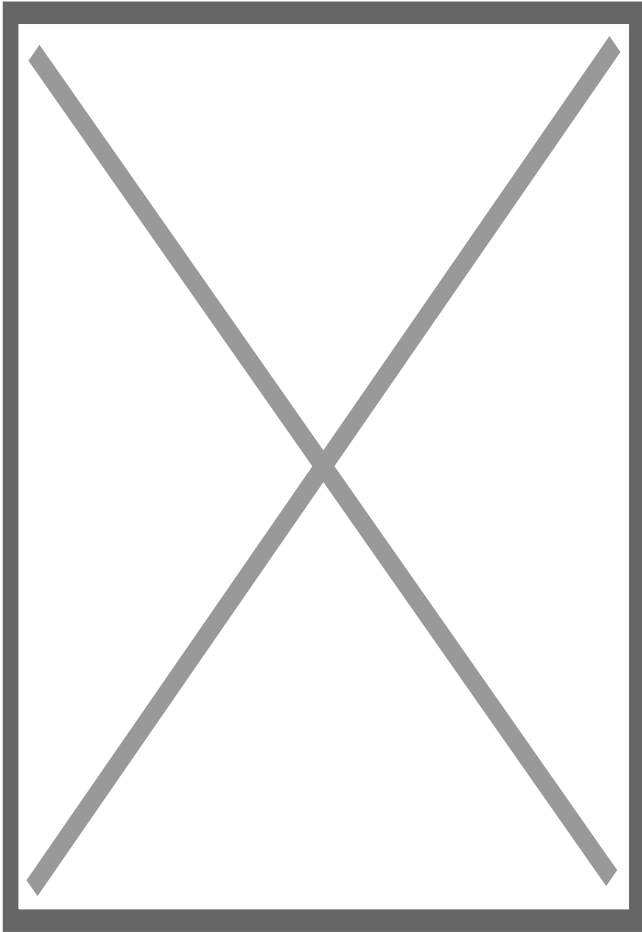
## Teaching Location(s)

VERSAILLES

## Training campus

Javascript est requis pour visualiser cette carte.





## Versailles

Versailles

Bus 8 - 10 - 13 - 105 - 108 - 471

Versailles Rive Droite - Ligne L

RER C Versailles Château Rive gauche

[Voir](#)

Student restaurant (CROUS)

Library

Student residence

## Contact

- **Pierre COUCHENEY**

MCF

- **Clémence Perez**

Secrétaire Département d'informatique

<http://www.universite-paris-saclay.fr/formation/master/informatique/m1-algorithmique-et-modelisation-linterface-des-sciences>