

# Master's degree (second year M2) Statistics, Finance and Actuarial Science

Institut Polytechnique de Paris (IPP)

Partner Institutions: [ENSAE](#), ECOLE POLYTECHNIQUE, ENSTA, TELECOM  
PARIS, ECOLE CENTRALE-SUPELEC

[http://www.master-statistique-finance.com/IP\\_Paris/index.php](http://www.master-statistique-finance.com/IP_Paris/index.php)

August 30, 2021

After being officially registered to SFA (tuition fees paid), you will have

- ① A badge (to enter buildings, libraries, CROUS lunchroom);
- ② An email address (in particular, to receive all required informations);
- ③ An access to "Pamplemousse" (the intranet tool for choosing courses, knowing schedules and receiving educational material):

<https://pamplemousse.ensae.fr/>

## Course offer

- Refresher courses (in French) are not mandatory and not graded.
- Course descriptions are given here:  
[http://www.master-statistique-finance.com/IP\\_Paris/course\\_list.php](http://www.master-statistique-finance.com/IP_Paris/course_list.php)
- Constraints on the choices:
  - At least 5 core courses and 1 in 4 of the 5 other groups of courses;
  - Between 30 and 35 ECTS per semester (14 ECTS for the mandatory 3-6 month internship in S2).
- Possibility to take one "Cross-cutting skills" course per semester.
- Professional seminars.
- Possibility of a research project during the year.

## Because of the Covid pandemic

- Classes are supposed to be face-to-face, but with sufficient distance between students.
- The administration needs to know the number of students for each course to provide large enough classrooms.  
⇒
  - The choice of courses (S1 and S2 with possible changes for S2) must be made **between 14 September and 28 September**.
  - It is not possible to take as many courses as you want (between 30 and 35 ECTS per semester).
  - A meeting will be organised on 15 September at 5 p.m. to present the Master's courses and to help you in your choice of courses.
- For more information about the current health situation please consult

<https://www.ensae.fr/info-coronavirus/>

## Specific rules for choosing courses

- for 3Y ENSAE students
- for 3Y ENSTA students
- for 3Y Centrale-Supélec students
- for those who want to be accredited as actuaries by the French "Institut des actuaires"

[http://www.master-statistique-finance.com/IP\\_Paris/validation.php](http://www.master-statistique-finance.com/IP_Paris/validation.php)

## General validation rules

- Your semester is validated if you have marks  $\geq 10$  in each course for a total of 30 ECTS or more.
- It is possible to compensate a course whose mark is  $< 10$  and  $\geq 7$  by other courses of the same semester if the weighted semester average is  $\geq 10$ .
- It is impossible to compensate a mark  $< 7$ .
  - ⇒ You can hedge yourself against a mark  $< 7$  by taking one more course.
- The mark of the internship must be  $\geq 10$ .
- There are additional constraints for actuarial students.

[http://www.master-statistique-finance.com/IP\\_Paris/docs/MCC-SF2020.pdf](http://www.master-statistique-finance.com/IP_Paris/docs/MCC-SF2020.pdf)

## The choice of the internship

- The internship office provides internship offers via the ENSAE PARIS CAREER CENTER:

<https://ensae.jobteaser.com/fr/>

- To find an interesting internship, the sooner the better;
- An internship agreement (issued by ENSAE or a partner school) must be signed before the internship begins;
- Make sure that the subject of your internship will provide you a sufficient scientific content to write an interesting internship report or a content relevant with actuarial science if you want to become an actuary.

[http://www.master-statistique-finance.com/IP\\_Paris/docs/Internship.pdf](http://www.master-statistique-finance.com/IP_Paris/docs/Internship.pdf)

## Career opportunities

- Job opportunities are mainly in the financial industry and insurance.
- A meeting (near the end of the year) can be organized to present the possibilities of doing a Phd thesis:
  - Each year, one or two academic scholarships from CREST can be expected.
  - Research careers in the industry become more and more attractive (CIFRE Phd thesis).

<http://crest.science/people/finance>