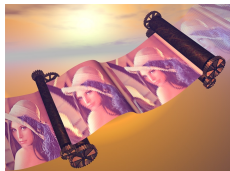


# Image - IMA and DIGIT

<https://sciences.sorbonne-universite.fr/formation-sciences/masters/master-informatique/parcours-image-ima>  
digit-International

Isabelle.Bloch@lip6.fr, Dominique.Bereziat@lip6.fr  
Marie.Goux@sorbonne-universite.fr



2025 – 2026

# Objectives and content

- Advanced program in the domains of image analysis and understanding, computer vision, computer graphics, artificial intelligence.
- Coherent program from the fundamentals of the discipline to the most advanced techniques.
- Responds to job market demand, both in research laboratories and in industry (image engineering services, multimedia, image synthesis, remote sensing, medical imaging, non-destructive control, etc.).
- Main topics: image analysis and understanding, object and scene recognition, computer vision, computer graphics, artificial intelligence, biomedical imaging and other applications.

## After the master

- Research in image analysis, computer vision, computer graphics, AI (with applications to medicine, biology, physics. remote sensing, video, multimedia...)
  - either in an academic context, or in an industrial research and development team.
- Research engineer.
- User services (quality control, simulations, communication, media, digital humanities...).
- Companies in biomedical imaging.
- ...

# Organization

- First semester: 5 UEs (30 ECTS).
- Professional orientation and insertion (3 ECTS) - only IMA.
- Second semester: internship / master thesis (27 ECTS, 30 for DIGIT), at least 5 months (> 110 working days), usually 6 - Examples:  
[https://perso.ensta-paris.fr/~manzaner/Stages\\_2025/](https://perso.ensta-paris.fr/~manzaner/Stages_2025/)

## Dates of exams:

- exams: November 24–28 and February 9–13
- 2nd session and master thesis defense in September.

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	MAPIMED	IP (for IMA)	TADI	BIOMED	IG3DA/SPLEX
Afternoon	PRAT	VISION	RDFIA	PHYG	

TAIV:   + 1 – IMV:   + 1 – SN@SU:   + Project

Details: <https://webia.lip6.fr/~bloch/IMA-prog.html>

<https://cal.ufr-info-p6.jussieu.fr/master/>

- One grade for each UE.
- Validation of one UE if grade  $\geq 10$ .
- Validation of the semester if all UE grades  $\geq 10$ .
- Validation by compensation if average UE grade  $\geq 10$ 
  - by default: no second session
  - if compensation refused (to do by email), second session for all non validated courses and the new grades are the definite ones.
- If average grade  $< 10$ , mandatory 2nd session for all non validated courses (otherwise 0).
- Validation of the year if each semester is validated.

- Exercise your critical thinking skills.
- Be able to explain all you do and write.
- If an existing code is used: understand it.
- References: always privilege peer-reviewed publications (in journals or conferences).
- Reference list: authors, title, journal/conference name, volume, pages, year.
- Help of LLM: mention it and explain how you used it (e.g. in an appendix), and carefully check the final result.
- And of course: no plagiarism.

## Some recommendations

- Definite choice of courses by the end of the first course week.
- Pedagogical contracts to sign.
- **Communication and mails.**
- Information put at: `http://master.informatique.sorbonne-universite.fr/site-annuel-courant/`.
- Planning and classrooms:  
`https://cal.ufr-info-p6.jussieu.fr/master/`.
- Presence during lessons, exercice sessions, computer labs.
- ALIAS:  
`https://www.sorbonne-universite.fr/associations/alias`.
- Computer account, computer rooms accessible in 23-24.
- Programming languages (computer labs, projects...): python, C/C++.