MASTER

Image Processing and Computer Vision
(IPCV)

Program factsheet

ACADEMIC COOPERATION

Consortium of 3 universities:
› Pazmany Peter Catholic University, Budapest, Hungary (PPCU)
› Universidad Autónoma de Madrid, Spain (UAM)
› University of Bordeaux, France (UBx).

LEVEL

Triple Master degree, completed by three diploma supplements.

Students who successfully complete the International Image Processing and Computer Vision (IPCV) Master Program, including the compulsory mobility period, receive a national degree from each partner university:

Pazmany Peter Catholic University:
› MSc degree in Computer Science Engineering; specialization in Image Processing and Computer Vision.

Universidad Autónoma de Madrid:
› International Joint Master Degree in Image Processing and Computer Vision.

University of Bordeaux:
› Master degree in "Informatique", (Computer Science); Image Processing and Computer Vision.

A diploma certification is additionally awarded by each university.

TUITION FEES

› Self-funded program country students: 3,000 € per year (6,000€ for 2 year-program).
› Self-funded partner country students: 4,500€ per year (9,000€ for 2 year-program).

PROGRAM DURATION

2 years (120 ECTS).

ADMISSION REQUIREMENTS

Candidates must fulfill the following requirements:
› Hold a Bachelor degree or equivalent in engineering science, mathematics, computer science or signal processing before the start of the program.
› Average grade of at least "Good" according to local criteria for the courses completed before the mobility period.
› Adequate knowledge of written and spoken English, equivalent to B2 according to the CEFR B2 or IELTS score of 6.5 or TOEFL of 90. Native English speakers do not have to submit English test results.

LANGUAGE REQUIREMENTS

English: equivalent to B2 according to the CEFR.
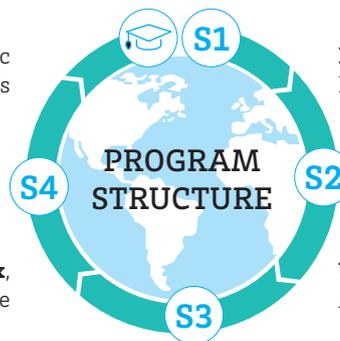
Program outline

The International Master Program in Image Processing and Computer Vision (IPCV program), managed by the University of Bordeaux, provides specialized training in a field of increasing importance in our daily lives. It is essential in domains such as medicine, surveillance, industrial control, remote sensing, e-commerce and automation.

The IPCV Master Program covers a wide range of methods in computer vision and guarantees highly-qualified graduates in this field.

Three partner universities, with internationally recognized experience in these domains, have pooled their complementary expertise and developed this international postgraduate cooperation initiative.

College of Science and Technology

université de **BORDEAUX**

All students follow a common mobility scheme and course curriculum.

Internship in academic laboratory or industries

PROGRAM STRUCTURE

S1

S2

S3

S4

PPCU, Budapest, Hungary

UAM, Madrid, Spain

UBx, Bordeaux, France

All students follow the same mobility schemes and the same curriculum. Each semester is awarded 30 ECTS.

Semester 1

Pazmany Peter Catholic University:
› Fundamental and theoretical knowledge in mathematics, electronic computing, signal and image processing, sensors and parallel computing.

Semester 2

Universidad Autónoma de Madrid:
› Video analysis, medical image processing and analysis, biometrics, computer vision for surveillance problems and initiation to research.

Semester 3

University of Bordeaux:
› Object-programming, deep learning, image reconstruction, variational modeling, project-management.

Semester 4

› The last semester is dedicated to an internship at a company or research laboratory anywhere in the world.

→ For more details

Please consult the website:
› www.ipcv.eu/programme/courses

Strengths

International program taught by experts from three different universities in Europe.

Triple Master degree.

International mobility period in three countries.

→ And after?

After graduation, students have access to career opportunities such as engineers or further research as doctoral students. Their educational background makes them attractive candidates for companies in the following areas:

› E-commerce
› Medical imaging
› Personal assistance
› Automation
› Industrial control

› Security
› Post-production
› Remote sensing
› Software publishing

How to apply?

Please send **Curriculum Vitæ, grades, cover and recommendation letters** to:

› application-ipcv@u-bordeaux.fr

Please note: the next academic year starts in August 2022 and the deadline for applications is early February 2022.

Contact

› ipcv@u-bordeaux.fr
› www.ipcv.eu

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