CONDITIONS OF ADMISSION

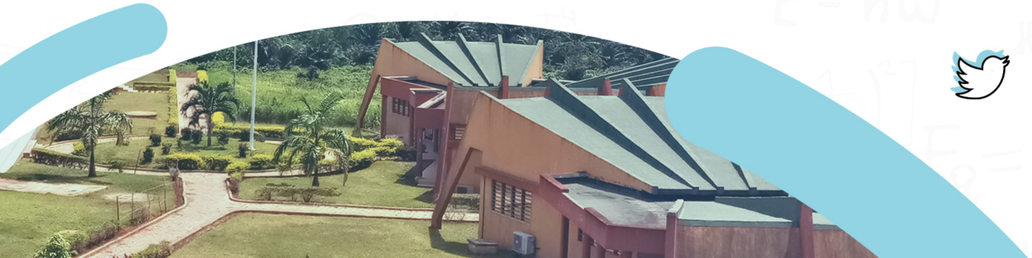
The selection will be made exclusively based on the submitted documents which must include:

- ***A handwritten request addressed to the director of the IMSP, specifying the chosen option ;***
- **A certified copy of the A-level degree or equivalent (+ certificate of authenticity file for foreign diplomas)** ;
- ***A certified copy of the* A-level *degree or equivalent degree*** ;
- ***A certifed copy of the transcripts from the A-level to the Bachelor degree*** ;
- ***A Curriculum Vitae*** ;
- ***A certified copy of the birth*** ;
- ***2 x ID photos (Passport format size)*** ;
- ***2 x letters of recommendation*** ;
- ***A receipt of payment for the application review fees***;
- ***A file folder with a strap*** ;

The application review is **23 €**, non-refundable. The application must be submitted to the secretariat of the Institute of Mathematics and Physics in Dangbo (Benin). (secretariat.particulier@imsp-uac.org)

TUITION FEES

- Registration:	**80 €**
- Training:	**457 €**
- Laboratory and internship:	**152 €**
TOTAL :	**689 €**



FUNDAMENTAL MATHEMATICS & APPLICATIONS

Training and Research Entity : Institute of Mathematics and Physics (IMSP)

Coordinator : Joël TOSSA
Assistant coordinator : Aboubacar MARCOS
Scientific Secretary : Liamidi LEADI

Partner universities : Institute Henri Point Caré ; University Pierre Marie-Curie ; University of Montréal ; University Abdou-Moumouni of Niamey

Some associate teachers
Jean d'Almeida (University of Lylle)
Augustin Banyaga (Pensylvania State University, USA)
GANGBO Wilfried (ULCA)

Contact

Centre of Excellence in Mathematical Sciences and Applications (CEA-SMA)/IMSP-Dangbo/PoBox 613, Porto-Novo, Benin.

+229 99 86 72 86

secretariat_cea@imsp-uac.org

www.ceasma-benin.org

Centre d'Excellence Africain en Sciences Mathématiques et Applications

@cea_sma

MASTER IN FUNDAMENTAL MATHEMATICS & APPLICATIONS (FMA)

CEA-SMA
Centre d'Excellence Africain en Sciences Mathématiques et Applications

Depuis 1988

MAIN OBJECTIVE

The objective of the Master in Fundamental Mathematics is to give students a very high level of training in various options of fundamental mathematics and its applications.
It offers the opportunity to engage at the M2 level either as a research master in fundamental mathematics or applied mathematics, or to the profession of teaching high schools and secondary school. The Research Master offers possibility to engage in doctoral studies either in fundamental mathematics or in applied mathematics.

STRUCTURE OF THE PROGRAM

The training is organized over four (4) semesters with theoretical courses, seminars, tutorials, and research internships. The courses are structured in Basic Teaching Units (UE), discovery and specialty, methodology and general culture. An internship dissertation is presented by the student at the end of the fourth semester to a jury. The teaching units are presented in the specification tables below.

ADMISSIBLE PROFILE

The Master's degree class in Fundamental Mathematics is open to Beninese and foreign students holder of a Bachelor degree in Fundamental Mathematics and another degree deemed equivalent by the University Orientation Commission (CUO). Students owner of a Master's degree in Pure Mathematics can be admitted to the semester 3 courses.

EXITING PROFILE

Students trained in this master will have the following profiles:

++ Research assistant in centers of study and research in fundamental mathematics and applications

++ Associate to conduct tutorials in the training of students in preparatory classes at the higher schools

++ Candidates for a doctoral cycle in fundamental mathematics and applications.

++ Teachers of mathematics and computer science in high schools and colleges

++ Advisers in regional structures promoting mathematical sciences

OPPORTUNITIES

- Study and research institutions in mathematics and applications
- Study institutions for preparatory classes for the prestigious schools
- Graduate school of mathematical sciences and applications
- Regional structures for the promotion of mathematical sciences
- High schools and secondary schools.
- Documentation and research institutions in mathematics and applications