



FOR FURTHER INFORMATIONS

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CURRICULA

Semesters 1 and 2 (First year)

- English Course: September – November
- Probability
- Analysis
- Partial Differential Equations
- Statistical Computing and Simulation
- Univariate statistical methods
- Linear Models
- Introduction to multivariate statistical methods
- Seminars
- Quantitative Genetics
- Survival analysis
- Geostatistics
- Statistical methods in economy
- Database and Informatics Resources

Semesters 3 and 4 (Second year)

- Designs of experiments
- Statistical Consultancy and Communication of Results
- Linear mixed models
- Generalized linear models
- Population dynamics models
- Bayesian Statistics
- Multivariate statistical methods
- Epidemiology
- Non linear dynamical systems
- Artificial intelligence and applications
- Scientific writing
- Internship and Master's thesis

PARTNERSHIP

Kwame Nkrumah University of Sciences and Technology (KNUST, GHANA), University of Lomé (TOGO); FAST/UAC (Benin); IMSP/UAC (Benin); INRAB (Benin), University of Loyola (USA), University of Hawaii (USA).

Faculty of Agronomic Sciences



MASTER IN STATISTICS Major Biostatistics

Collect, Process, Simulate and Analyze data





What is about?

The Faculty of Agronomic Sciences of the University of Abomey-Calavi, through the Laboratory of Biomathematics and Forest Estimations (LABEF), ensures the training of Biostatisticians and at the end of the two years of study, delivers a Master degree in Statistics, major Biostatistics.

The Master in Statistics with major in BIOSTATISTICS offers an extensive and unique training in recent statistical methods and tools toward their applications in Life sciences. At the end of the training, graduated students can easily go into professional life as Biostatistician or engage in research in Biostatistics by integrating a doctoral school.

This training is open to Bachelor Degree holders in Life Sciences domains (agronomy, health, biology, environment,...), or in Mathematics/Statistics or Master Degree holders wishing to acquire knowledge and know-how in the field of data collection and analysis.

What are Professional perspectives?

The field of Biostatistics is expanding. It deals with various sectors. The abilities this training gives in data collection, management, statistical analysis and valorization allow graduates to practice job of Biostatisticians in charge of Statistical Studies in various sectors.

Biostatisticians are needed in Food Enterprises, Projects, Health Sector (Units of Clinical research), Department of Medical Information, ...), Public and Private Research Institutions, Non Governmental Organizations (NGO), International Organization (FAO, UNDP, World Bank, etc.) ; Education and International Research Institutions.

What are requirements conditions?

Applicants should hold a Bachelor or a Master degree in agronomic sciences, biological sciences, pharmaceutical sciences, environment sciences or mathematics.

Admission to the training is based on the quality of of application (and if necessary an interview).

Selection takes into account academic records, professional experience, prerequisites in Statistics/Mathematics and Motivation.



How to apply?

Application materials can be submitted:

- at the secretariat of the Master (at the second floor of the Building I of the Faculty of Agronomic Sciences) or
- online at <http://labef-uac.org/en/apply/> or
- by email to: glele.romain@gmail.com or afiaombada@yahoo.fr.

Required documents

- Motivation letter (to the Coordinator of the Master)
- Academic degrees
- Academic transcripts
- Certified copy of the Certificate of Birth
- Curriculum vitae
- Program of the courses already followed by the applicant

Registration fees

- Fees for application: **30 000 FCFA**
- Annual fees for registration and training:
 - National applicants: **651 000 FCFA**
 - Non National applicants: **851 000 FCFA**
 - Scholarship recipients: **1 050 000 FCFA**
- English Courses: **50.000 FCFA**.

Key dates

- Call for application: June, 10th 2020
- Deadline for application: July, 30th 2020
- Starting date for English courses: September 1st (Each year)
- Starting date for the training: December 1st (Each year)