



**"ELITE" PROFESSIONAL BACHELOR'S DEGREE
ECONOMIC ENGINEERING AND STATISTICAL MODELLING**



Academic Supervision: University of Douala

Technical Supervisor : Advanced School of Management and Commerce - ESSEC

Duration of training: 3 years

The "ELITE" Professional Bachelor's Degree in **Economic Engineering and Statistical Modeling** is a new and innovative training program placed under the academic supervision of the University of DOUALA and under the technical supervision of the prestigious **Ecole Supérieure des Sciences Economiques et Commerciales (ESSEC)**.

Economics and Statistics are disciplines that play a central role in decision-making in public and private sector organizations around the world. Organizations are increasingly looking for graduates with quantitative skills in economics and statistics to support scientific decision-making and policy formulation. The vast majority of successful institutions and organizations attribute a significant portion of their success to harnessing the power of high-quality decision-making through statistical analysis and forecasting.

This training program ensures that any person benefiting from the courses is able, thanks to his or her advanced knowledge of economics and statistics, to identify and analyze economic and social issues, to carry out advanced quantitative analyses using specialized software (SAS, SPSS, R, etc.), to acquire a perfect mastery of ICTs; To have a better self-improvement and to develop one's potential thanks to the knowledge acquired in leadership, personal development.

- **Master's studies:** join our Master's program in Data Science, Actuarial Sciences, Financial Engineering, Operations Research
- **University residences :** Modern rooms equipped with water, electricity
- **Academic Internships Offered:** 6-8 months over 3 years
- **Training abroad in partner universities:** EKLORE Ed. (PAU, France); HEC (Montreal, Canada), UNINETTUNO International Telematic University (Rome, Italy)
- **Corporate partners** in the following sectors: finance, insurance, telecommunications, agri-food, hydrocarbon distribution, hospitality, etc.

ORIENTATION SUPPORT: Monday to Friday between 08:00 and 17:00

Phone: 698 182 553 / 652 622 096 - **Email:** ysem.essec@ysem.education

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ECONOMIC ENGINEERING AND STATISTICAL MODELLING

TRAINING OBJECTIVES

The **Elite Professional Bachelor's Degree in Economic Engineering and Statistical Modeling** is suitable for those who wish to acquire in-depth knowledge and skills in economics and statistics. The program goes beyond simple technical skills training to mentor graduate learners with analytical, problem-solving, and the right attitudes to engage in an increasingly complex global environment. The program will mentor learners into responsible, educated, employable and enterprising citizens. This training allows the student to properly analyze and interpret economic data and also to build reliable forecasts that can help in decision-making.

At the end of this training, students are able to master the statistical and quantitative tools necessary to observe and analyze economic variables and also to know how to predict them. With this mastery of the statistical tool, the student will also be able to quantify the risks associated with the various decision-making. Also, after obtaining the bachelor's degree, the student will have knowledge about the company and will be equipped with talents in written and oral communication.

ADMISSION REQUIREMENTS AND OUTLOOK

The Bachelor's degree obtained at the end of the 6 semesters opens the doors to the Professional Master's degree in the following specialities: Data Science; Actuarial; Financial Engineering; Operations research.

Students who have a Bachelor's degree in Science (C, D, TI series) and in Economics and Management can access this training program.

OPPORTUNITIES

The degree in Economic Engineering and Statistical Modelling leads to the following jobs:

- Director of Economic Studies,
- Econometer
- Business Intelligence Analyst,
- Business Economist,
- Economic and Statistical Research Officer,
- Socio-economic Research Officer

PREPARATION OF THE FILE

1. Certified photocopy of the GCE A-/L or any other equivalent documents
2. Certified photocopy of the birth certificate
3. Two 4x4 photos – Colour
4. Application fee: **25,000 FCFA**