Mouloud Mammeri University of Tizi-Ouzou
Mathematics and Computer Science Domain

Bachelor in Mathematics

▶ Objective of training

The aim of the Mathematics bachelor is to provide a solid foundation in mathematics, essential both for future teachers or researchers in mathematics and for future users of mathematics.

This Bachelor's is a compulsory and essential step to understanding the full power of mathematical modeling. Also, its acquisition guarantees sufficient basic knowledge to engage in any mathematical option, which allows the student to opt for a specialized course, at the end of his third year, therefore after having carefully considered his choice.

▶ Competence

1. Master basic knowledge of Mathematics
2. Reason, model, predict and be rigorous.

▶ After training

After the bachelor's degree, the student can enroll in a master's degree in one of the following specialties:

- Operational research and optimization

- Probabilities and statistics

- Mathematical Analysis

- Mathematics Applied to Management sciences
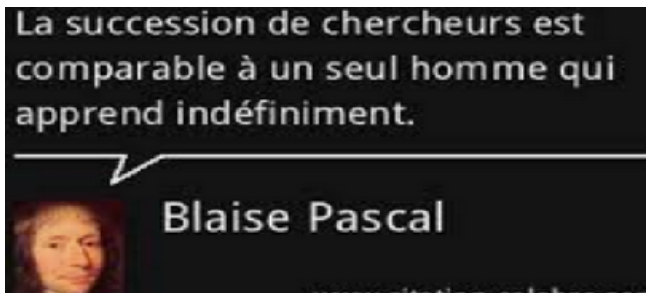
▶ Career opportunities

This Bachelor degree leads to:

- Primary or secondary education.

- A career as a researcher or teacher-researcher after master's courses in mathematics in the

various specialties. It consists in preparing the student for research through courses of high specialized levels, culminating in an introductory research thesis as a final project.

La succession de chercheurs est comparable à un seul homme qui apprend indéfiniment.

Blaise Pascal

Also, The bachelor's degree offers the possibility of accessing other professions (management, finance, insurance, new technologies, public service, etc.)

▶ Structure of the programs

The bachelor's degree is obtained at the end of 6 semesters at the rate of 24 hours of lessons on average per week (excluding personal work). The training offers mandatory courses in mathematics, as well as a wide choice of optional teaching units in mathematics, computer science and other scientific disciplines.

▶ Knowledge test

Continuous monitoring (40%) and final exams (60%)

$$Life = \int_{both}^{death} \frac{happiness}{time} \, \Delta time$$

« Ne t'inquiète pas si tu as des difficultés en maths, je peux t'assurer que les miennes sont bien plus importantes ! »
- Albert Einstein