

**B.L.F1.S1.01**

**O 1202, O 1401, O 1402.**

**Identification Card for the specialization: Mathematics**

Level: Bachelor's degree

Field: Mathematics and Computer Science

Branch: Mathematics

Specialization: Mathematics

**1 - Training Location:**

College (or Institute): Mathematics and Computer Science

Department: Mathematics

Reference of the Accreditation Decision: Decision No. 578 dated 05/08/2015

**2 - Other Participants:**

**Partners from other institutions:**

- General Directorate of Scientific Research and Technological Development
- University of Boumerdès
- University of Batna 2
- University of Khemis Miliana
- University Center of Béni Mellal
- University of Setif 1
- University of Constantine 1
- University of Bejaia
- National Agency for the Valorization of Research Results and Technological Development
- University Agency of Francophonie (AUF)

## **Other economic and social institutions and partners**

SPE - M'sila Power Generation Company - Electricity Production Company

Condor Complex - Boudouaou, Bouira

LAFARGE - M'sila - International Cement Company

MEI - Industrial Equipment Maintenance Company - M'sila

Primatek - M'sila

Milk Incubation Company - M'sila

Maghreb Pipes Company - M'sila

Solar Incubation Company - M'sila

National Agency for Youth Employment Support

## **International partners**

University of Lille 1, France

Gazi University, Ankara, Turkey

Manar University, Tunisia

University of Gafsa, Tunisia

Ibn Zohr University, Agadir, Morocco

National School of Architecture, Toulouse, France ...and so on.

## **3 - General Organization of the Training: Project Status**

Common Base of the Field: MI (1st year) L2 + L3 Mathematics

## **4 - Training Content and Context:**

The content of this training focuses on the fundamental aspects of mathematics, such as mathematical analysis and algebra, which enable graduates to integrate into any suitable specialization they choose.

## **5. Training Objectives:**

The aim of this Bachelor's degree in Mathematics is to ensure a strong, comprehensive, and advanced education in general mathematics. This will enable students to choose specializations that align with their professional goals. On one hand, it allows students to adapt their career path to their professional project. On the other hand, this training will enable students to acquire fundamental knowledge and skills that can be reinvested in various application fields.

## **6. Targeted Skills of the Training:**

The skills and abilities associated with this Bachelor's degree in Mathematics can be summarized as follows:

1. Proficiency in advanced mathematics to tackle contemporary research problems.
2. Management and problem-solving in various fields related to mathematics.
3. Ability to formulate different scenarios in physics, mechanics, chemistry, biology, and economics, and possess the necessary mathematical skills to analyze these scenarios.
4. Proficiency in using major scientific computing software.
5. Designing and programming computational algorithms.

## **7. Local, Regional, and National Employment Opportunities:**

This specialization enables its graduates to master advanced mathematics, providing them with the necessary perspective to teach at the middle and high school levels nationally. It equips them with a high-level understanding of mathematics, allowing them to effectively teach in secondary schools at the national level.