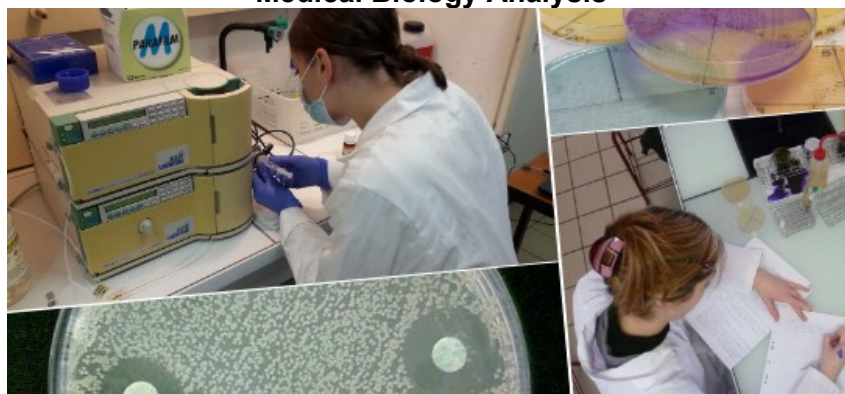


BTS ABM

Medical Biology Analysis



The Higher Technician Certificate in Medical Biology Analysis

Duration of studies: 2 years (possibility of apprenticeship in the 2nd year with a 26-week period in a company)

Two classes (maximum enrolment: 30 students)

- Number of hours per week: 31.5 hours on average in the first year (10.5 hours of general subjects and 21 hours of specialised subjects including 13.5 hours of practical work) - 32.5 hours per week on average in the second year (6 hours of general subjects and 26.5 hours of specialised subjects including 19 hours of practical work)
- + 12 weeks of internship in a medical laboratory (twice 6 weeks)

- General subjects: French, English as a foreign language, Mathematics, Physical and Chemical Sciences.

- Specialised subjects: Biochemistry, Microbiology, Haematology, Anatomopathology, Immunology, Preparation for blood collection certificate, Knowledge of the professional environment.

Who is this training for?

- pupils with
 - a technological baccalaureate STL, ST2S, STAV (agriculture)
 - a vocational baccalaureate (bac pro) in personal care and services, organic processing industry, hygiene, cleanliness and sterilisation, laboratory quality control (agriculture)
 - a general baccalaureate with at least two scientific options among maths, physics, chemistry and life sciences
- reorientation of the university with a scientific profile.

What for?

To become a laboratory technician in medical biology analysis: to take blood samples, then to carry out analyses on all types of biological samples of human or animal origin; to work in genetic analysis laboratories, in blood banks, in organ banks, in procreation aid centres, medical research laboratories, anatomopathology laboratories.

Extract from the reference system January 2016 (renovation to come)

The medical biology laboratory technician holding the Advanced Technician's Certificate "Medical Biology Analysis" carries out his activity in medical biology laboratories **under the responsibility of the biologist or the laboratory director, in compliance with the regulations in force.**

In order to take blood samples in medical laboratories or biology departments, they must hold a sampling certificate. The senior medical biology analysis technician carries out laboratory examinations and thus contributes to the interdisciplinary management of the patient. He/she participates in the development of new analysis methods and the adaptation of existing methods. He is qualified to occupy a job characterised by high technicality and a wide range of skills. **The degree of autonomy varies according to the tasks**

performed, but remains total in the execution of analyses and their technical validation. The quality requirements imply the proper performance of medical biology analyses in accordance with the regulatory texts in force. The technician must appropriate the procedures relating to all analytical activities and be able to explain them. They must also be able to contribute to the drafting of these procedures. It is his duty to keep himself constantly informed of developments in medical biology. He can contribute to the training of technical staff. Aware of the risks associated with the use of biological samples and products, the senior medical biology analysis technician implements the following safety measures prevention. They must also be able to adopt appropriate behaviour in the event of an emergency.

He/she is subject to the rules of professional secrecy.

Organisation within the school :

- 8 multi-skilled biotechnology teachers,
- 3 laboratory staff to prepare the technological activities,
- 3 specialised activity rooms.
- 1 *CPE* (principal education advisor - absence management)
- 1/4 time *DDFPT* (director of vocational and technological training)

Assessment :

- 3 terminal assessments each year in practice,
- 2 one-off written assessments at the end of the 2nd year (written expression and written comprehension) in foreign languages.
- 5 theoretical assessments at the end of the 2nd year for maths, physics chemistry, biochemistry, haematology anatomopathology immunology and microbiology,
- an oral presentation of the internship at the end of the second year