

Branch : Biomedical Sciences and Techniques



Code : QUCOLA

Option : Quality control laboratory (QCL)

Level : Bac Pro

Prerequisites:

Opportunities:

Graduates can work in control laboratories in companies, in private analysis laboratories or in public research or control organisations (departmental laboratories, INRA, etc.).

Description :

After a vocational baccalaureate in QCL, the holder works mainly in analysis or research laboratories, in the food, chemical or pharmaceutical industries and increasingly in the bio-agricultural or environmental sectors. The degree of specialisation of his or her work is linked to the size of the company employing him or her: he or she organises his or her work sequences, ensures the maintenance of his or her equipment, manages consumables and contributes to the monitoring of the methods and materials used. He or she may take samples on an industrial site and package them, and write up reports on work or incidents. Teamwork is essential and management is possible.

Quality and competences :

The bac pro laboratory quality control trains students in analysis and control activities (physico-chemical, biochemical, microbiological and biological).

During their training, students learn how to take samples and conduct analyses and controls of raw materials, manufactured products or products in the course of manufacture, in compliance with the procedures in force. The analysis may also involve soil, water or waste samples....

The teaching provided enables the student to implement a protocol according to a defined procedure. He or she is trained in the methods of planning and managing the operation of a laboratory.

The student acquires the skills to organise the work, to plan the tasks to be carried out according to the procedures in force (hygiene of the premises, safety at work, reference standards), to ensure the correct operation of the measuring devices and installations, to ensure the upkeep of the equipment and the routine maintenance operations. He or she becomes capable of managing the follow-up of the laboratory's activity as well as the transmission of results: recording, interpretation of analysis results (identification of non-compliant results) and drafting of reports.