

CTESP | CURSO TÉCNICO SUPERIOR PROFISSIONAL



Direction

Isabel Margarida Pinto da Silva Ribeiro

Number of Semesters

4

ECTS

120

About

The Professional Higher Technical Course in Bioanalysis and Control at the Escola Superior de Saúde Ribeiro Sanches, of the Instituto Politécnico da Lusofonia, provides the future graduate with fundamental and comprehensive knowledge that cuts across not only the different courses in the health area, but also those in chemistry, the environment and biology.

The practical skills and gestures learned and internalized throughout the eminently laboratory training facilitates integration and communication with other health professionals and can provide opportunities for growth and a wide range of job possibilities. It can, of course, motivate and encourage future graduates to continue their studies at a higher level. The growing changes in the business fabric have accelerated the emergence of new careers and professions that were previously non-existent, particularly in biomedicine, which makes it necessary to guarantee the quality of the level of knowledge among the various professionals working in the health sector. The job market regularly sees demand in this sector. Job offers sometimes require candidates to have higher-level training in order to carry out the tasks and skills for which graduates of this Higher Professional Technical Course are clearly suited. The job market reflects the lack of manpower in the area of chemical-biological analysis, which is why IPLUSO - Instituto Politécnico da Lusofonia created this training offer.

Course Plan

Course Structure

1º Ano / No Branch

[Applied Chemistry](#) 5 ECTS | [Biology and Biochemistry](#) 4 ECTS | [Communication Techniques](#) 3 ECTS | [Elements of Chemistry](#) 3 ECTS | [Elements of Physics](#) 3 ECTS | [Laboratory Techniques and Equipment](#) 5 ECTS | [Mathematics](#) 4 ECTS | [Safety and hygiene at work](#) 4 ECTS | [Laboratory Techniques in Biochemistry](#) 6 ECTS | [Laboratory Techniques in Immunology](#) 6 ECTS | [Laboratory Techniques in Molecular Biology and Genetics](#) 6 ECTS | [Microbiology Laboratory Techniques](#) 6 ECTS | [Statistical Analysis](#) 5 ECTS |

2º Ano / No Branch

[Food Analysis Methods](#) 6 ECTS | [Laboratory Techniques in Hematology](#) 6 ECTS | [Laboratory Techniques in Toxicology](#) 6 ECTS | [Quality Assurance](#) 6 ECTS | [Water Analysis Methods](#) 6 ECTS | [Traineeship](#) 30 ECTS |