CTESP I CURSO TÉCNICO SUPERIOR PROFISSIONAL

CIBERSEGURANÇA

Direction
ERCILIO JORGE DE ANDRADE TUBARÃO MENDES

Number of Semesters

4

ECTS
120

About
The areas of Information Technology currently have one of the greatest needs in the professional market, and the aim of the Higher Professional Technical Course in Cybersecurity is to promote the acquisition of specific or transversal technological skills, as well as personal and entrepreneurial skills, which will enhance the employability of its recipients. Having

identified the ICT area as a critical area in terms of skills to be developed and with a view to greater employability by promoting the elimination of gaps in the areas identified as sensitive, the course's syllabus aims to train professionals in a key area with great employability, focusing on the following axes: Cybersecurity, Programming and Application Development, Web Development, Database Administration, Decision Support Systems, Mobile Application Development, Networks and Big Data/Big Databases. It is in this context that the Instituto Politécnico da Lusofonia's Higher Professional Technical Course in Cybersecurity aims to provide trainees with the knowledge, skills and attitudes needed to implement and manage cybersecurity platforms and systems in organizations, as well as to intervene on the first line in cybersecurity incidents. This is an area in constant development which increasingly needs highly qualified technicians capable of adapting to its rapid technological evolution.

Course Plan
Course Structure

1º Ano / No Branch
Networks and Data Communication II 6 ECTS | Computer Hardware 4 ECTS | English 4 ECTS | Fundamentals and Design of Information Systems 4 ECTS | Introduction to Operating Systems 4 ECTS | Mathematics 6 ECTS | Networks and Data Communication I 4 ECTS | Portuguese Language 4 ECTS | Computer Systems Security 4 ECTS | Databases - Modeling and SQL Concepts 5 ECTS | Server Operating Systems - Windows Platforms 5 ECTS | Structured Programming 6 ECTS | Wargaming 4 ECTS |

2º Ano / No Branch
Networks and Data Communication III 6 ECTS | Active Cybersecurity 6 ECTS | Computer Security and Cyberattacks 6 ECTS | Object Oriented Programming 6 ECTS | Server Operating Systems - Linux Platform 6 ECTS | Traineeship 30 ECTS |