



1º Ciclo | Licenciatura

Informática para Comércio Eletrónico

Direction

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Access Conditions**Number of Semesters**

6

ECTS

180

Vila Nova de Gaia
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About

The Bachelor's Degree in Computer Science for E-Commerce from ISLA - Instituto Politécnico de Gestão e Tecnologia (ISLA-IPGT) prepares its students for a competitive e-commerce market with innovative approaches to the development and integration of web technologies. The program emphasizes the practical application of the latest technologies, equipping students with the knowledge to develop effective and innovative solutions, from the creation of intuitive web interfaces to the implementation of secure payment systems and digital marketing strategies, to face the challenges of e-commerce. The Bachelor's Degree in Computer Science for E-Commerce allows students to add value to their curriculum with a focus on emerging technologies, explore advanced concepts in the area of digitalization and apply them in practical e-commerce projects, including data analysis and performance optimization to improve user performance. The Bachelor's Degree in Computer Science for E-Commerce ensures an interdisciplinary and results-oriented approach. Graduates are prepared to excel in a variety of areas, from the development of technological solutions to the strategic management of online businesses. It is an opportunity for the future of students, with a high degree of employability.

Course Plan

Course Structure

1º Ano / Common Core

[Introduction to e-Commerce and e-Business](#) 4 ECTS | [Linear Algebra](#) 5 ECTS | [Mathematical Analysis](#) 6 ECTS | [Programming Fundamentals](#) 6 ECTS | [Research and Investigation Methodologies](#) 4 ECTS | [Systems Analysis and Modeling](#) 5 ECTS | [Algorithms and Data Structures](#) 6 ECTS | [Databases](#) 6 ECTS | [Digital Transformation and e-Business](#) 3 ECTS | [Laboratory Project I](#) 6 ECTS | [WEB Platform Architectures](#) 3 ECTS | [Web Programming I](#) 6 ECTS |

2º Ano / Common Core

[CRM fundamentals](#) 4 ECTS | [Interaction Design](#) 6 ECTS | [Interoperability and Systems Integration](#) 6 ECTS | [Law Applied to Electronic Business](#) 3 ECTS | [Paradigms of Creative Programming](#) 5 ECTS | [Web Programming II](#) 6 ECTS | [Internet Networks and Services](#) 5 ECTS | [Laboratory Project II](#) 6 ECTS | [Mobile Application Development](#) 5 ECTS | [Software Project Management Methodologies and Tools](#) 4 ECTS | [Web Marketing](#) 4 ECTS | [Web Programming III](#) 6 ECTS |

3º Ano / Common Core

[Cybersecurity Applied to Business](#) 4 ECTS | [Data Mining](#) 5 ECTS | [Development of Multimedia Objects](#) 6 ECTS | [Distributed and Parallel Computing](#) 5 ECTS | [Intelligence Applied to Electronic Commerce](#) 6 ECTS | [WEB Seminars](#) 4 ECTS | [Cloud Computing](#) 5 ECTS | [e-Business oriented Business Analytics](#) 6 ECTS | [Final Project](#) 15 ECTS | [Innovation and Digital Entrepreneurship](#) 4 ECTS |