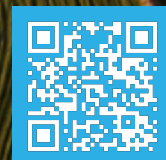**Masters • Porto**

APPLIED DATA SCIENCE TO GEOGRAPHICAL INFORMATION SYSTEMS

Direction

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Secretariat

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Duration	Credits
2 Years	120 ects

Presentation

Data Science is a recent discipline that has responded to the recent need to interpret the large volumes of data that technological advances have brought to society. Within the framework of the European Community's 2030 objectives, which focus on sustainability, sectors such as precision agriculture, fisheries, geospatial data monitoring, maritime activities, infrastructure monitoring, the environment and land management can benefit from specialists in analysing data from Geographic Information Systems. As a response and within the strategy of CUP and CUL, the master's course incorporates two competences with a view to specialising Data Scientists in Geographic Information Systems.

UNIVERSIDADE LUSÓFONA   CENTRO UNIVERSITÁRIO PORTO

Fcnet
Faculdade de Ciências Naturais, Engenharias e Tecnologias

STUDY PLAN

1st Year / Common Core

1º Semestre	ects	2º Semestre	ects
Applied Programming for Data Science	7	Fundamentals of Statistics for Data Science	7
Geography and Cartography	7	Geographic Information Systems	7
Introduction to Data Science	7	GIS Applied to the Ocean	7
Meteorology and Climatology	7	Information Visualization	7
Orientation Seminar	2	Tutoring Seminar	2

2nd Year / Common Core

1º Semestre	ects	2º Semestre	ects
Air Sensors and Photogrammetry	7	Dissertation Seminar or Project Work	30
Data Science for Forestry and Agricultural Applications	7		
Project Seminar	9		
Topics on Machine Learning and its Applications	7		

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