

# Master ENGINEERING MATERIALS



**Atlântica  
University  
Institution**

The Master in Materials Engineering of Atlântica - Instituto Universitário, aims to respond to the needs of the labour market and aims to train professionals with the skills and advanced knowledge in Materials for Aeronautics, or related areas, essential to the exercise of Engineering activities in an Industry in increasing expansion in Portugal.

The Master in Materials Engineering aims to train students to demonstrate technical and professional leadership, as well as the necessary adaptability in a society in constant change. Industry needs Materials experts who master and implement in practical applications this knowledge, and with the Master in Materials Engineering this is possible.

In order to fulfil the objectives defined for this Master's Degree in Materials Engineering, the curricular plan was designed in consultation with the Materials Engineering industry, ensuring the interest of future employers, and with lecturers from other Portuguese Higher Education Institutions. This Master in Materials Engineering includes internships at CarburesGoup and FIDAMC/Airbus. Become a Materials Engineer!

## 1st Year

1st Semester	ECTS
CURRICULAR UNIT	
Surface Technology and Coatings	6
Production Materials for Aeronautics	6
Advanced Materials for Aeronautics	6
Modelling for Materials Engineering	6
Metallic Materials for Aeronautics	6

2nd Semester	ECTS
CURRICULAR UNIT	
Quality Management	6
Materials Bonding Technology	6
Materials Failure Mechanisms	6
Laminate Composite Materials	6
Materials Design and Selection for Aeronautics	6

## 2nd Year

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1st Semester	ECTS
CURRICULAR UNIT	
Materials Engineering Project	12
Project Management for Engineering - opt	6
Basic Notions of Marketing and Finance- opt	6
Product Development for Materials Engineering - opt	6
Innovation and Entrepreneurship - opt	6

2nd Semester	ECTS
CURRICULAR UNIT	
Dissertation	30