

# Master AERONAUTIC MAINTENANCE TECHNOLOGY AND MANAGEMENT



## Atlântica University Institution

The 2nd cycle of studies in Management and Technologies of Aeronautical Maintenance, from Atlântica, is a programme that aims to respond to the needs of the current job market and aims to train professionals with advanced skills and knowledge in aeronautics, or similar areas, essential to the exercise of engineering activities in a growing industry in Portugal. It aims to train postgraduate professionals who demonstrate technical and professional leadership skills and the necessary adaptability in a constantly changing society.

The 2nd study cycle also seeks to attract students from other training courses offered at other higher education institutions and professionals in the fields of Mechanical, Electro technical, Civil Engineering, etc. who want to specialize and progress in their careers. It must also ensure the skills that allow the Masters to pursue additional training (3rd cycle) and its integrated into the global strategy of Atlântica and the industrial partner Carbures in Portugal.

This Master includes internships at CarburesGoup and at FIDAMC/Airbus.

### Objetives:

- Advanced skills and knowledge in Aeronautical Maintenance, or similar areas, which give them the ability to carry out their tasks in multidisciplinary projects;
- A deep knowledge of the materials used in AE, in particular light metal alloys and composite materials;
- Adequate training for project management and product development;
- Teamwork, leadership, innovation and entrepreneurship skills, as well as management notions that facilitate the realization of investments of a technological nature;
- A strong practical component and connection with the industry, substantiated with an indispensable theoretical component.

## 1st Year

1st Semester CURRICULAR UNIT	ECTS
Airworthiness	6
Metallic Materials in Aeronautics	5
Stability and Control of Aircraft	4
Production Processes	4
Production Management	5

2nd Semester CURRICULAR UNIT	ECTS
Maintenance Programs and Concepts	5
Reliability, Quality and Safety	4
Human Factors	5
Project Management	5
Material Failure Mechanisms	4

## 2nd Year

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1st Semester CURRICULAR UNIT	ECTS
Accident Research Techniques	5
Monitoring of the Condition of Structure and Perf. of Engine	5 4
Laminated Composite Materials	4
Laminated Composite Materials Project	5 4
	3

2nd Semester CURRICULAR UNIT	ECTS
Dissertation	5