

Label	EUR-ACE®
<b>Higher Education Institution</b>	<b>UNIVERISTAT POLITÈCNICA DE VALENCIA</b>
<b>Country</b>	<b>SPAIN</b>
<b>State/Province</b>	<b>VALENCIA</b>
<b>Name of the Programme</b>	<b>AEROSPACE ENGINEERING</b>
<b>Degree Awarded</b>	<b>GRADO</b>
<b>Qualification Level</b>	<i>(First Cycle / Second Cycle)</i>
<b>Programme Objectives; Profile</b>	<i>The objective of these studies is training scientific and technically graduates in order to satisfy the needs of aeronautical industry and Administration and air transport, as well as investigation in aeronautical and aerospace fields. Its solid and deep scientific-technical formation culminates in the development of one of the following intensifications: Aircraft; Air Transport and Navigation; Airports; Aerospace Materials and Systems; and Propulsion, which enable the student into professional practice of technical aeronautical engineering in each one of their fields.</i>
<b>Programme Duration</b>	<i>8 semesters</i>
<b>Total Number of ECTS Credits Awarded</b>	<i>240 ECTS</i>
<b>Brief Description of the Programme</b>	<i>Basic Formation 60 ECTS (25%) Aerospace Formation 88,5 ECTS (36,88%) Specific Technology 51 ECTS (21,25%) Optional Formation 28,5 (11,88%) Last year Project 12 ECTS (5%)</i>
<b>Examples of Very Good Practice</b>	<p><b>Graduate's companies related with the programme</b>  <b>Payload:</b> <i>The former student Raúl Torres is co-founder and CEO of this company which has as an objective the development of low cost space shuttles. At 1<sup>st</sup> of June of 2015, the company performed successfully the first proof of his liquid combustible engine in the test bench (propulsion Vertical Test Stand 1 – VTS 1) located in the aerodrome of Teruel. The first commercial launch is expected for 2018. At December of 2015, the Spanish Scientist Association awarded the company for its design and development of partially recoverable prototypes for rockets.</i></p> <p><b>UAVworks:</b> <i>Founded by two former students Salva Puig and David Ortiz. This company performed specialised aerial services by means of</i></p>

the use of own designed drones or UAV.

#### **Student tours**

In different subjects of the Degree trips are realised with students to different interesting centers for aeronautical field.

**Toulouse trip:** In this trip the following places are visited: Aciturri company and CTA in Victoria and Airbus, Space museum and Ancient wings museum in Toulouse.

**Albacete trip:** during this trip Albacete Armoury is visited.

**Torrejón trip:** Ala 12 and INTA are visited in this trip.

**Madrid trip:** CLAES is visited

**Zaragoza trip:** students visit Ala 15.

#### **Student associations**

**EUROAVIA Valencia:** It is one of the greatest headquarters of the international association EUROAVIA, the European association of university students linked to aviation and space fields, which its objective is to complement the training of its members and to serve as a connection between university and industry. Form this association it is promoted the participation in different aeronautical events as congress, visits and competitions.

**Formula Student UPV:** It is a student association which its objective is the design and manufacture of a competition vehicle of type Formula SAE. Aerodynamic design and team management are tasks which traditionally have been realised by student of Aerospace Engineering Degree.

**Makers UPV:** It is a student community interested in new manufacture technics and quick prototype, participation in competitions and workshops organisation, group projects, visits to companies and conferences. This association has been founded by students of aeronautical programme and between its members are many from Aerospace Engineering Degree.

#### **International competitions**

**Material selection challenge 2016:** In this competition, five students of 1<sup>st</sup> year of Aerospace Degree and a professor won the first award with the design of a crystal for supersonic aircraft.

#### **Fly Your Ideas of Airbus competition 2009:**

In this competition, four students of Aerospace Degree and a professor were finalist with a project of an aircraft without windows.

#### **Fly Your Ideas of Airbus competition 2013:**

In this competition, five students of Aerospace Degree together with a professor were finalist with a project of an eckit for reduced mobility passengers.

#### **Formula Student 2014-2015 and 2015-2016:**

In this competition, some students of Aerospace Degree together with students of other degree were the best Spanish team in this competition.

	<p><b>Space Apps Challenge NASA 2015:</b> In this competition, some students of Aerospace Degree together with students of other degrees were finalist with other 30 worldwide teams with a project of a microsatellite called GoSat.</p> <p><b>Space Apps Challenge NASA 2016:</b> In this competition, some students of Aerospace Degree together with students of other degrees were finalist with other 5 worldwide teams with a project of a spacesuit for Mars called Mars UPV.</p> <p><b>Hyperloop Design Weekend (2016):</b> In this competition for the design of an innovative means of transport, some students and a professor of Aerospace Degree together with students of other degrees obtained the first award in the category of General Design, resulting winners in the subcategory of Compression and Propulsion Excellence too.</p>
<b>Accredited without / with Adjustment Requirements</b>	OBTENTION OF EUROACE LABEL
<b>Adjustment Requirements</b>	NOT PROCEED
<b>Accredited by</b>	<b>ANECA-IIE</b>
<b>Accredited</b>	From 11/05/2016 to 11/05/2022