



Universidad
de Alcalá

INTERNATIONAL PROGRAM OF EXPERT IN ENGINEERING PROCESSING AND GUIDANCE TECHNIQUES

Polytechnic School

WELCOME

The International Program of Expert in Engineering Processing and Guidance Techniques at the Polytechnic School of the UAH is a one-semester bilingual graduate program that provides advanced training to enable students to develop their competences and skills to improve their employability. This program combines training in signal processing techniques, aerospace systems engineering and unmanned vehicles guidance.

WE OFFER

Upon successful completion of the program requirements, students will receive, in addition to their official transcript of grades, an official certificate of completion indicating that they have taken the International Program of Expert in Engineering Processing and Guidance Techniques.

Optionally, students can take 12 ECTS more to complete the ECTS required for their mobility (see proposal below).

More info:

<https://bit.ly/3eDCHJu>

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INTERNATIONAL PROGRAM OF EXPERT IN ENGINEERING PROCESSING AND GUIDANCE TECHNIQUES

ACADEMIC CALENDAR

2nd period/semester: March 31 to May 20¹.
Exam period: May 24 to May 31.

(1) Face to face classes, 2nd semester: March 4 to May 31
For the specific timetable of the face-to-face classes, see the Syllabus below.

PROGRAM DESCRIPTION

EXPERT IN ENGINEERING PROCESSING AND GUIDANCE TECHNIQUES (2nd study cycle)

The program will be taught in English Friendly mode (lectures will be taught in Spanish, but the documentation, tutorials, hands-on labs, and exams will be given in English if the student so requests). In addition, short videos in English will be provided to introduce the key competences that will be explained in each session.

As a requirement for receiving the course completion certificate students must complete one semester of the subjects defined as compulsory (18 ECTS of courses of the master's degree in Telecommunications Engineering (EQF 7)).

LEARNING MODE OF STUDY:

2 nd semester: Online and face-to-face (March 31 to May 26)	Number of ECTS Online	28
	Number of ECTS face-to-face	2

SYLLABUS ¹						
Period	Course name	Code	ECTS	Degree name	Teaching mode	
					Online with synchronous lectures on:	In-person
2	AEROSPACE SYSTEMS ENGINEERING	201830	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Thursdays 17:00-21:00	March 31 April 7, 21, 28 May 5, 12, 19 Final exam: May 24
2	UNMANNED VEHICLES GUIDANCE	201829	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Fridays 15:00-17:00	April 22, 29 May 6, 13, 20 Final exam: May 31
2	SIGNAL PROCESSING TECHNIQUES FOR SMART ENVIRONMENTS	201827	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Wednesdays 17:00-21:00	Final exam: May 26

(1) Mandatory courses to obtain the diploma of completion

Additionally, with the aim of complete their mobility students can take the following courses:

SYLLABUS						
Period	Course name	Code	ECTS	Degree name / EQF level	Teaching mode	
2	SPANISH ²	-	6	-	Online	
2	SUPERVISED WORK IN MOBILITY	100222	6	ENGINEERING DEGREES (EQF 6)	Online	

(2) Optionally, students can take supervised mobility work of 12 ECTS (100220) instead of Spanish.