



Universidad
de Alcalá

INTERNATIONAL PROGRAM OF EXPERT IN PROCESSING TECHNIQUES, TECHNOLOGIES, AND AEROSPACE APPLICATIONS

Polytechnic School

WELCOME

The International Program of Expert in Processing Techniques, Technologies and Aerospace Applications 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, remote sensing and software for aerospace applications.

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 Processing Techniques, Technologies and Aerospace Applications.

Optionally, students can take 12 ECTS more to complete the ECTS required for their mobility.

More info:

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

sdeps.internacional@uah.es



INTERNATIONAL PROGRAM OF EXPERT IN PROCESSING TECHNIQUES, TECHNOLOGIES, AND AEROSPACE APPLICATIONS

ACADEMIC CALENDAR

1st period/semester: September 27 to January 21¹

Exam period: January 24 – February 3

(1) Face to face classes, 1st semester: December 10 to February 3
For the specific timetable of the face-to-face classes, see the Syllabus below.

PROGRAM DESCRIPTION

EXPERT IN PROCESSING TECHNIQUES, TECHNOLOGIES, AND AEROSPACE APPLICATIONS (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:

	Number of ECTS Online	28
1 st semester: Hybrid with online sessions and face-to-face lectures (December 10 to February 3)	Number of ECTS face-to-face	2

SYLLABUS ¹						
Period	Course name	Code	ECTS	Degree name / <u>EQF level</u>	Teaching mode	
					Online with synchronous lectures on:	In-person
1	SIGNAL PROCESSING TECHNIQUES FOR SMART ENVIRONMENTS	201827	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Tuesdays 17:00-21:00	Final exam: January 24
1	SOFTWARE FOR AEROSPACE APPLICATIONS	201831	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Fridays 15:00-19:00	December 10, 17 January 14, 21 Final exam: February 3
1	REMOTE SENSING: TECHNOLOGIES AND APPLICATIONS	201828	6	MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (EQF 7)	Thursdays 17:00-21:00	Final exam: January 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 / <u>EQF level</u>	Teaching mode	
					Online with synchronous lectures on:	In-person
1	PRINCIPLES OF PYTHON	100263	6	ENGINEERING DEGREES (EQF 6)	Fridays 10:00-13:00	Midterm and Final exams: November 12, January 17
1	SUPERVISED WORK IN MOBILITY	100222	6	ENGINEERING DEGREES (EQF 6)		Final exam: To be agreed with the supervisor

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