



Universidad
de Alcalá

INTERNATIONAL PROGRAMME OF EXPERT IN ROBOTICS AND PERCEPTION

Polytechnic School

WELCOME

The International Programme of Expert in Robotics and Perception at the Polytechnic School of the UAH is a one-semester bilingual graduate programme that provides advanced training to enable students to develop their competences and skills to improve their employability. This programme combines the study of well-established theories and techniques of deliberative and reactive robotics, and the most actual ones, related to artificial intelligence, embedded systems and the internet of the things. The programme offers training with real robots of different applications related to perception and robotics.

WE OFFER

Upon successful completion of the programme requirements, students will receive, in addition to their official transcript of grades, an official certificate of completion indicating that they have taken the International Programme of Expert in Robotics and Perception.

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 PROGRAMME OF EXPERT IN ROBOTICS AND PERCEPTION**DIPLOMA DE EXPERTO EN PERCEPCIÓN Y ROBÓTICA (INTERNATIONAL PROGRAM)****ACADEMIC CALENDAR**

2nd period/semester: January 5 to May 29¹.
(1) Face to face classes (exams included): March 24 to May 29.

PROGRAMME DESCRIPTION**EXPERT IN ROBOTICS AND PERCEPTION (2nd cycle)**

This programme is taught in English Friendly mode (lectures will be taught in Spanish, but the documentation, tutorials, student questions, 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 successfully complete the semester of compulsory subjects (18 ECTS).

DIPLOMA DE EXPERTO EN PERCEPCIÓN Y ROBÓTICA (INTERNATIONAL PROGRAM)

El programa tiene la opción de ser impartido en modalidad English Friendly (las clases se impartirán en español, pero la documentación, las tutorías, las dudas de los estudiantes, los laboratorios prácticos y los exámenes estarán disponibles en inglés y español). Además, se proporcionarán vídeos cortos en inglés para introducir las competencias clave que se explicarán en cada sesión.

Como requisito para recibir el certificado de finalización del curso los estudiantes deberán completar un semestre de las asignaturas definidas como obligatorias (18 ECTS).

LEARNING MODE OF STUDY:

2 nd semester: Online and face-to-face	Number of ECTS Online	24
	Number of ECTS face-to-face	6

SYLLABUS¹

Period	Course name	Code	ECTS	Degree name / EQF level	Teaching mode
2	MOBILE ROBOTICS	703614	6	MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (EQF 7)	Tuesdays 16:00-20:00
2	PERCEPTION SYSTEMS	703615	6	MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (EQF 7)	Thursdays 16:00-20:00
2	EMBEDDED SYSTEMS FOR ROBOTICS	703617	6	MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (EQF 7)	Mondays 16:00-20:00

(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	SPANISH²	-	6	-	Online
2	Supervised work in mobility	202365	12		Online Final exam in person (to be agreed with the supervisor)

(2) Optionally, students can take Spanish.