

PhD Degree → CEDINT-UPM PhD PROGRAM: *APPLIED ICTs FOR INDUSTRY*

Presentation

The “Applied ICTs for Industry” PhD program is a proposal from the CeDInt-UPM as part of the Technical University of Madrid’s commitment to academic and research excellence and in particular, to the activities carried out at the Montegancedo Campus of International Excellence. The “Applied ICTs for Industry” PhD Program must become a key part in the development of R&D activity of the Campus as it is an essential part of the 2011-2014 CeDInt-UPM strategic plan. Its main objective is to advance in the specialisation of researchers in an area of great economic relevance, “Applied ICTs for Industry”, which up until now has not been covered in PhD studies and defined as an academic path for the researchers at our university.

Coordinating Institution

Centre for Integral Domotics of the Technical University of Madrid.

Objectives:

- To become a PhD program with the Seal of Quality.
- To graduate at least ten PhD Graduates in the program a year.
- To increase the number of scientific publications related to the activities of the PhD program.
- To get at least 80% of students carrying out their research period defend their theses within a period of no more than five years.
- To have at least 25% foreign students.
- To develop the mechanisms so that at least 20% of PhD students carry out stays abroad.

Training period

The training period of the program will consist of at least 60 credits, as set out in the Resolution of the 29th December 2008 of the General Direction de Universities of the Ministry of Science and Innovation. This training period will consist of a University Masters’ Degree or be part of one or several university Masters’ Degree courses given by the University.

In any event, at least 30 credits which make up the training period must comply with the requisites as research credits in accordance with that set out in the regulations for Masters’ Degrees and research itineraries approved by the Governing Council on the 25th September 2008. These credits must be conceived to guarantee the acquisition of the skills and abilities required for this line of research defined in the PhD Program. In no event should they correspond to credits assigned to the Final Project of the Masters’ Degree.

Period of research

The period of research will consist of research activities as recommended by the Thesis supervisor or supervisors and within the lines of research of the PhD Program leading to the defence of the PhD Thesis.

Training Activities

The PhD Program comprises both transversal and specific training. In any event, it is the essential training activity of the PhD student.

There is no specific academic syllabus for the PhD studies in ICTs applied to industry. Each PhD Thesis Supervisor/Tutor will advise the student of the activities to be carried out during the preparation of the PhD Thesis.

In accordance with prior training, it may be deemed appropriate for the PhD student to study up to 30 credits complementary to training, which must include research credits, if necessary. The PhD thesis will consist of original research work carried out by the candidate. The thesis must enable the PhD student able to carry out the work autonomously within the field of R&D&I.

The training provided to the PhD students aims to be a high-quality training in both teaching and research and will consist of:

- The giving of seminars, courses, workshops, work practice, etc. on disciplinary knowledge and methodologies.
- Preparation of seminars, courses, workshops, work practice, etc. on transversal skills and abilities.
- Organization of PhD student workshops, national and international congresses, etc. on training experiences.

Envisaged duration

The duration of the PhD studies will be a maximum of three years, full time, beginning on the admission to the PhD program until the presentation of the PhD thesis.