

**Professional Training**

Code: 106539  
ECTS Credits: 12

Degree	Type	Year	Semester
2500895 Electronic Engineering for Telecommunication	OT	4	0

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

**Contact**

Name: Javier Martin Martinez  
Email: Javier.Martin.Martinez@uab.cat

**Use of Languages**

Principal working language: catalan (cat)  
Some groups entirely in English: No  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: No

**Prerequisites**

Those defined in the UAB permanence regime, in the section corresponding to the enrolment progression.

Since this is a fourth year subject, the student must have passed all first year subjects and a total of 120 credits from subjects comprised in the first three years.

**Objectives and Contextualisation**

The objective of the External Practices is to put students in touch with the professional world, so that they can apply and complement the competences acquired throughout their Degree studies through a training activity supervised by the School and carried out in a company or external institution This training activity allows students to acquire a practical vision of the world of work and professional practice, thus facilitating their employability.

**Competences**

- Communication
- Develop personal attitude.
- Develop personal work habits.
- Draft, develop and sign projects in the field of telecommunications engineering designed to conceive, develop or exploit electronic systems
- Learn new methods and technologies, building on basic technological knowledge, to be able to adapt to new situations.
- Resolve problems with initiative and creativity. Make decisions. Communicate and transmit knowledge, skills and abilities, in awareness of the ethical and professional responsibilities involved in a telecommunications engineers work.

**Learning Outcomes**

1. Apply the appropriate methodology to develop a problem, combining theoretical development and simulations as appropriate.

2. Develop curiosity and creativity.
3. Develop independent learning strategies.
4. Efficiently use ICT for the communication and transmission of ideas and results.
5. Evaluate project results and compare them with similar results from external sources and identify new contributions by the project to current knowledge on the subject.
6. Generate innovative and competitive proposals in professional activity.
7. Identify the specific objectives of the project
8. Maintain a proactive and dynamic attitude with regard to ones own professional career, personal growth and continuing education. Have the will to overcome difficulties.
9. Manage available time and resources. Work in an organised manner.
10. Manage information by critically incorporating the innovations of ones professional field, and analysing future trends.
11. Plan a project using a Gantt chart

## Content

The contents of the internship will be determined by the work plan that will be agreed between the company, the student and the academic tutor. In order to approve the proposed work plan, the contents must be adapted:

- To the profile and the academic situation of the student.
- To the specific competences of the undergraduate degree in telecommunication systems engineering.

Important: Work plans written in a generic manner and without a clear list of tasks with competencies in the field of telecommunication engineering will be rejected.

## Methodology

### *Internship announcements*

Three possible sources of offers are available:

1. Proposals from the School of Engineering, for placements in collaborating organisations. Offers are posted in the Coordinació module at the Campus Virtual.
2. Offers of non-curricular placements made by the "Servei d'Ocupabilitat de la UAB" (employment service). The coordinator verifies that the training project meets the subject's needs in terms of its competences and characteristics. An agreement on curricular placements must be drawn up between the School and the company, and signed.
3. Proposals from students themselves through direct contact with a company or based on an offer posted on online platforms or social networks. Before signing the agreement and starting the placement, the coordinator has to confirm that the training project meets the requirements of the subject.

### *Internship duration*

The duration of curricular internship agreements must be for a total of 300 hours.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			

## Assessment

The assessment of the intership consists of two elements:

- Internship report (30%): brief summary of the activities carried out and results obtained.
- Tutor's report (70%) evaluating the internship.

The document lenght is restricted to 10 pages. Free format.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Internship report	30%	0	0	1, 5, 3, 2, 4, 6, 9, 10, 7, 8, 11
Tutor assessment	70%	0	0	1, 5, 3, 2, 4, 6, 9, 10, 7, 8, 11

## Bibliography

In each case, the student's tutor at the company / external institution will propose the adequate bibliography depending on the work to be carried out.

## Software

- Depends on the company.