COURSE DATA

DATA SUBJECT

Code: 34908
Name: Company internships degree in Telematics Engineering
Cycle: Undergraduate Studies
ECTS Credits: 12
Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
1403 - Degree in Telematics Engineering	Escola Tècnica Superior d'Enginyeria	4	Indefinite (Individuals)
1935 - Double Degree Program in Mathematics-Telematics Engineering	Facultat de Ciències Matemàtiques	5	Indefinite (Individuals)

SUBJECT-MATTER

Degree	Subject-matter	Character
1403 - Degree in Telematics Engineering	External internship in TE	INTERNSHIPS
1935 - Double Degree Program in Mathematics-Telematics Engineering	Prácticas externas	INTERNSHIPS

COORDINATION

FELICI CASTELL SANTIAGO

SUMMARY

The external practices aims to strengthen the training of university students in the operational areas of Institutions or Companies for professionals with a real insight into the problems and their interrelation, preparing future incorporation into productive work or research.
The University may establish agreements with institutions or companies, practical cooperation programs in which arrange their participation in specialized training and practical training required for students.
External practices programs will be established for the training of students in the final year of Degree and Master of the ETSE and must be made so as to suit the number of credits established.
The entity and activity to be performed will be assigned from a list of institutions and companies with the agreement established with the University of Valencia through ADEIT, or others with whom the student to establish a contact, subject to approval.
Dedication scheduled for this course is: tasks at the center where the practice is carried out 260 hours; meetings with university tutor 5 hours; attendance at courses and seminars 15 hours and report about the knowledge and the experience gained at the practice center 20 hours.
The organization and evaluation of the Final Project (TFG) is regulated by the Reglamet de Treball Fi deGrau, approved by the Council of Government of the University of Valencia(http://www.uv.es/graus/PE/Reglament.pdf) and instructions developed by the Escola Tècnica Superiord'Enginyeria of the University of Valencia ETSE-UV (http://www.uv.es/uvweb/enginyeria/ca/estudisgrau/graus/practiques-

externes/informacio-general/presentacio-1285968430540.html).

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

In order to undertake external work placements, students must have successfully completed the first two years of study or earned 150 credits from the study plan ,and for double degrees, 210 credits from the study plan.

COMPETENCES / LEARNING OUTCOMES

1403 - Degree in Telematics Engineering

Ability for self-learning of new knowledge and techniques appropriate for the conception, development and exploitation of telecommunications systems and services.

G4 - Ability to solve problems with initiative, decision-making and creativity, and to communicate and transmit knowledge, abilities and skills, understanding the ethical and professional responsibility of the activity of a telecommunications technical engineer.

G5 - Knowledge to carry out measurements, calculations, assessments, evaluations, loss adjustments, studies, reports, task planning, and other analogous work in the specific field of telecommunications.

G6 - Ability in the handling of specifications, regulations and norms of compulsory compliance.

G7 - Ability to analyze and assess the social and environmental impact of technical solutions.

G8 - Knowledge and application of basic elements of economics and human resource management, project organization and planning, and legislation, regulations and norms in telecommunications.

G9 - Ability to work in a multidisciplinary environment and in a multilingual group and to communicate, in writing and orally, knowledge, procedures, results and ideas related to telecommunications and electronics.

DESCRIPTION OF CONTENTS

UNIQUE MODEL
The Curricular Practice Model for the Bachelor's Degree in Telematics Engineering is unique and consists of the practical application, within the professional field specific to the degree programme, of project-based methodology for managing activities and resolving complex technical problems.
1.- AREAS OR FIELDS OF PROFESSIONAL PRACTICE: Technical departments specialising in Telematics Engineering within public and private organisations outside ETSE-UV.
2.- COMPETENCES OR LEARNING OUTCOMES: those outlined in general terms as competences and learning outcomes in the relevant section of the teaching guide

3.- PROFILE OF THE TUTOR FROM A COMPANY, INSTITUTION OR ORGANISATION: An engineer working in public or private organisations, or in private practice
4.- DESCRIPTION OF POSSIBLE ROLES TO BE PERFORMED: study, research, design, development, implementation, validation and testing, consultancy, training, auditing, standardisation, project management, operations management, infrastructure management, and any other technical activity within the field of Telematics Engineering.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at the internship centre	260,00
Attendance at supplementary activities	15,00
Monitoring and tutoring of internships	5,00
Total hours	**280,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Independent study and work	0,00
Preparation of supplementary reports	0,00
Preparation of the internship report and evaluation of the internship	20,00
Total hours	**20,00**

TEACHING METHODOLOGY

A set of tasks at the placement organisation, which must include the student's integration into the workplace (G4, G5, G6, G7, G8, G9, R1).
Other: on-site work whilst attending seminars or specific courses; off-site work by the student: preparing reports and presenting results; individual or group tutorials.

EVALUATION

The organization and evaluation of external internships (PE) is regulated as a general rule by the External Internship Regulations, approved by the Governing Council of the University of Valencia (http://www.uv.es/graus/PE/Reglament.pdf) and by the instructions developed by the Higher Technical School of Engineering of the University of Valencia ETSE-UV (http://www.uv.es/uvweb/enginyeria/ca/estudis-grau/graus/practiques-externes/informaciogeneral/presentacio-1285968430540.html)
The following will be evaluated (G4, G5, G6, G7, G8, G9):
a) The company tutor's report, which will state: (40%)
-Compliance with the planned hours.
-Ability to integrate into the work group.
-Assessment of the activity carried out by the student.
b) The final report on the activities carried out in the company, which will objectively determine the difficulty of the tasks performed and their relationship to the subjects of the degree. It will contain at least the following sections (30%):
-Relationship between the internship and the educational studies undertaken

-Contribution of the student to the internship center
-New knowledge and skills acquired
-Relationship with the staff at the internship center and the work methodology
c) Courses or seminars attended by the student, both those taught by the university and those taught by the internship center. (10%)
d) Tutoring (20%), which includes: verification of compliance with the Tutorial Plan, impact: extracurricular internships or subsequent employment contract.
The percentages assigned to each section are those indicated in each case. Completion of the total number of internship hours is a necessary requirement for assessment, except in cases of force majeure. The percentage of the individual assessment for each subsection will depend on the criteria of the university tutor based on the characteristics of the internship.
In any case, the assessment system will be governed by the provisions of the University of Valencia's Assessment and Qualification Regulations for Bachelor's and Master's Degrees.

REFERENCES