COURSE DATA

DATA SUBJECT

Code: 46804
Name: Internship
Cycle: Master's Degree
ECTS Credits: 4.5
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2269 - Master's Degree in Electronic Engineering	Escola Tècnica Superior d'Enginyeria	1	Annual

SUBJECT-MATTER

Degree	Subject-matter	Character
2269 - Master's Degree in Electronic Engineering	Empresa	ELECTIVES

COORDINATION

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SANCHIS PERIS ENRIQUE J

SUMMARY

Through External Internships, the aim is to reinforce the training of university students in the operational areas of Institutions or Companies to obtain professionals with a real vision of the problems and their interrelationships, preparing their future incorporation into productive work or research.

The University establishes, through agreements with institutions or companies, cooperation programs in internships for the training of students. The internship program is established for the training of students in the last year of the ETSE Master's Degree and is adapted to the established number of credits (4,5 ECTS). The entity and activity to be carried out will be assigned from a list of institutions and companies with an agreement established with the University of Valencia through ADEIT, or with others with which the student establishes contact, prior approval by the coordination commission bodies. Master's academic.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

Since it is a subject that emphasizes the application of acquired knowledge throughout the master's degree, it will be carried out from the second semester onwards. The start date is expected during the month of January of the last year in which the master's degree is taken. The necessary prior knowledge is those that have been taught during the first semester.

COMPETENCES / LEARNING OUTCOMES

2269 - Master's Degree in Electronic Engineering

Apply and integrate the knowledge gained and confront the complexity of making judgments with incomplete or limited information but that includes reflecting on the social and ethical responsibilities linked to the application of knowledge and judgments.

Communicate conclusions (and the knowledge and rationale underpinning these) to specialist and non-specialist audiences clearly and unambiguously.

Conduct a critical analysis, evaluation and synthesis of new ideas to solve problems in complex or unfamiliar environments within broader contexts in the field of electronic engineering and related multidisciplinary fields.

Consider the economic, social and ecological context in electronic engineering solutions, being aware of diversity and multiculturalism and ensuring environmental sustainability and respect for human rights and gender equality.

Create mathematical models and simulations in the field of electronic engineering and related multidisciplinary fields.

Demonstrate a systematic knowledge and a mastery of technical, personal, social and methodological skills in the field of electronic engineering and related multidisciplinary fields.

Demonstrate knowledge and have skills for self-directed or autonomous learning that provide a basis or opportunity to be original in developing or applying ideas, often in a research or lifelong learning context.

Design systems and processes that meet electronic, regulatory, economic, social, ethical and environmental specifications.

Gain the professional skills and cooperation abilities that are suitable for practising in the field of electronic engineering and related multidisciplinary fields.

Handle specialised software and hardware, as well as design, simulation and programming environments in the field of electronic engineering and related multidisciplinary fields.

Identify, formulate and solve problems in the field of electronic engineering and related multidisciplinary fields.

Identify the need for multidisciplinary teams in companies and technological centres in the field of electronic engineering and related multidisciplinary fields.

Interpret technical documentation and regulatory standards for equipment and systems in the field of electronic engineering and related multidisciplinary fields.

Manage, plan and supervise multidisciplinary teams in companies and technology centres in the field of electronic engineering and related multidisciplinary fields.

Project, calculate and design products, processes and installations in the field of electronic engineering and related multidisciplinary fields.

Promote technological, social or cultural progress in academic and professional contexts within a knowledge-based society.

DESCRIPTION OF CONTENTS

1. Contents

The contents of the subject will be different depending on the specific practice that must be carried out. The possible activities that can be carried out during external internships are listed below in a generic way:

- Electronic instrumentation
- Power electronics
- Analog and digital electronic systems
- Microcontroller and PLC programming
- Electrical and electronic maintenance
- Robotics and home automation
- Electrotechnics
- Electronic product design
- Renewable energy

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at the internship centre	0,00
Attendance at supplementary activities	0,00
Monitoring and tutoring of internships	0,00
Total hours	**0,00**

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	0,00

Total hours	**0,00**

TEACHING METHODOLOGY

The teaching methodologies to be used in the development of the subject are the following:

• In-person work during attendance at practice, seminars or specific courses.

• Student non-face-to-face work: preparation of reports and presentation of results.

• Individual or group tutorials.

EVALUATION

It will be evaluated through the external internship qualification report taking into account:

SE2. The final report of the activities carried out in the company as well as the assessment of the courses or seminars that the student has attended, and the student's interview with the professor-tutor of the internship at the university (60%).

SE4. The report of the company supervisor (40%).

Completion of the total hours of the practice is a necessary requirement for the evaluation, except in cases of force majeure. The percentage of the particular assessment of each subsection will depend on the criteria of the university tutor based on the characteristics of the practice.

Copying or plagiarism of any activity that is part of the evaluation will result in the impossibility of passing the course, and the student will then be subject to the appropriate disciplinary procedures indicated in the ACTION PROTOCOL FOR FRAUDULENT PRACTICES AT THE UNIVERSITY OF VALENCIA (ACGUV 123/2020).

In any case, the system of evaluation will be ruled by the established in the Regulation of Evaluation and Qualification of the University of Valencia for Degrees and Masters. (https://webges.uv.es/uvTaeWeb/MuestraInformacionEdictoPublicoFrontAction.do?accion=inicio&idEdictoSeleccionado=5639).

REFERENCES

- Prácticas en empresas ADEIT: http://www.adeituv.es/practicas-en-empresas/