

1. BASIC INFORMATION

Course	External Student Internship
Degree program	Masters in Big Data Analytics
School	Escuela de Arquitectura, Ingeniería y Diseño
Year	1
ECTS	9
Credit type	Optional
Language(s)	English
Delivery mode	Face-to-face /online
Semester	2
Academic year	2025-2026
Coordinating professor	Oscar Marbán Gallego

2. PRESENTATION

Internships are 100% in-person. For students who choose the virtual modality, internships will follow the same external placement procedure (based on company needs and student availability) and the same supervision methodology: they will have an academic tutor (in addition to the company supervisor) who will ensure the acquisition of the required competencies.

The university currently has internship agreements with major IT consulting firms, most of which have a Big Data service (also referred to as “Analytics” or “Business Intelligence”). The internship coordinator must ensure that the student carries out their internship in projects assigned to or related to this sector.

3. LEARNING OUTCOMES

Knowledge

CON01. Understand the fundamentals of project management and how they are applied in the context of Big Data projects.

CON03. Understand the role of data in supporting strategic decision-making within a company, considering data quality management, privacy and data security policies, and regulatory compliance frameworks.

CON-OPT-2. Understand how decision-making operates in real-world environments based on large volumes of data.

Skills

HAB03. Evaluate supervised and unsupervised machine learning models for problem-solving.

HAB07. Apply data governance and the data lifecycle, as well as business analysis, optimizing the use of resources and time.

HAB-OPT-02. Actively collaborate in the development of projects or tasks assigned within a specific department.

Competences

CP07. Evaluate the potential of data analysis for business development across different application sectors.

CP08. Investigate technical trends in technologies and processes for information discovery and knowledge generation from data.

CP-OPT-02. Practically and integratively apply the knowledge, skills, and competencies acquired in professional environments related to big data analysis.

4. CONTENT

External Academic Internships in Companies

5. TEACHING-LEARNING METHODOLOGIES

The following types of teaching and learning methodologies will be applied:

- MD6: Simulation environments and field experiences

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Campus-based mode:

Learning activity	Number of hours
AF7. Profesional internship	217
AF6. Tutorship PAE/TFM	4
AF10. PAE Report writing	4
TOTAL	225

Virtual mode:

Learning activity	Number of hours
AF7. Profesional internship	217
AF6. Tutorship PAE/TFM	4
AF10. PAE Report writing	4
TOTAL	225

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

Campus-based mode:

Assessment system	Weight
SE5 – Internships in companies will be evaluated by both the company and the academic internship tutor, using rubrics. This evaluation will then be reviewed by the academic tutor, based on the evidence gathered during the internship monitoring process.	60%
SE6-Student Report	40%

Virtual mode:

Assessment system	Weight
SE5 – Internships in companies will be evaluated by both the company and the academic internship tutor, using rubrics. This evaluation will then be reviewed by the academic tutor, based on the evidence gathered during the internship monitoring process.	60%
SE6-Student Report	40%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1. First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of 4.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

7.2. Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 4.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

8. SCHEDULE

On the **UEvalua platform**, you will be able to consult in detail the evaluation activities you must complete, as well as the submission deadlines and evaluation procedures for each of them, since they are specific to each university-company collaboration agreement associated with each individual student.

Professional internships must be completed before December 31, 2026.

9. BIBLIOGRAPHY

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10. EDUCATIONAL GUIDANCE, DIVERSITY AND INCLUSION UNIT

From the Educational Guidance, Diversity and Inclusion Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students' inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by mean of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunity for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:

orientacioneducativa@universidadeuropea.es

11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section on virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.