



Universitat de Lleida

DEGREE CURRICULUM
BACHELOR'S THESIS

Coordination: LOPEZ LORENZO, IGNACIO

Academic year 2023-24

Subject's general information

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|---|---|---------------|------------------|------------------|
| Subject name | BACHELOR'S THESIS | | | |
| Code | 102060 | | | |
| Semester | UNDEFINED | | | |
| Typology | Degree | Course | Character | Modality |
| | Bachelor's Degree in Computer Engineering | 4 | COMPULSORY | Attendance-based |
| | Double bachelor's degree: Degree in Computer Engineering and Degree in Business Administration and Management | 5 | COMPULSORY | Attendance-based |
| Course number of credits (ECTS) | 15 | | | |
| Type of activity, credits, and groups | Activity type | TFG | | |
| | Number of credits | 15 | | |
| | Number of groups | 1 | | |
| Coordination | LOPEZ LORENZO, IGNACIO | | | |
| Department | MATHEMATICS | | | |
| Important information on data processing | Consult this link for more information. | | | |
| Language | Catalan, Spanish and English. | | | |

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Subject's extra information

You will find all the information about the [Computer Engineering Bachelor's Thesis](#) in the grade web.

Students of the Double Degree: Degree in Computer Engineering and Degree in ADE (GEIADE) will be able to choose between two modalities:

- TFG integrated
- TFG GEI + TFG ADE

In both modes, you must register:

- the subject TFG ADE (code 101345): with the rest of the subjects on the scheduled date of automatic enrollment in the EPS for GEIADE students.
- the GEI TFG subject (code 102060): during the first automatic enrollment period established in the EPS for TFG registration (at the beginning of October) after having delivered the TFG proposal to the secretary of the 'EPS'. In the TFG proposal document, it is necessary to indicate which type of TFG is chosen.

In the case of integrated TFG, you will find specific instructions as you progress in this ADE TFG teaching guide

and in the GEI TFG teaching guide

In the case of TFG GEI + TFG ADE, you will follow the procedure generally established by the GEI student body and by the ADE student body for the preparation of the GEI TFG and the ADE TFG respectively.

Learning objectives

Bachelor's thesis is a subject which is included in the syllabus of every bachelor's degree. In case of bachelor's degree in Computer Engineering, bachelor's thesis (BT) has 15 ECTS, it has to be done in the last academic year and it comprises work that every student (or a group of students) carries out under the supervision of a director or two co-directors.

This work allows students to show their acquired knowledge and competences associated with the bachelor's degree in an integrated way.

Competences

Strategic Competitions of the UdL:

- CT1. Acquire a suitable understanding of written, oral Catalan and Spanish.
- CT2. Mastering a foreign language, especially English.

Cross-disciplinary competence of the EPS:

- EPS1. Capacity to solve problems and prepare and defence arguments inside the area of studies.
- EPS2. Capacity to gather and interpret relevant data, within the area of study, to judge and think about relevant subjects of social, scientific and ethical nature.
- EPS3. Capacity to convey information, ideas, problems and solutions to both a specialized and no specialized public.
- EPS4. To have the skills required to undertake new studies or improve the training with self-direction.
- EPS8. Capacity of planning and organizing the personal work.

Methodology

Every bachelor's thesis is directed by a director or two co-directors. The director or one of the co-directors must be a teacher who belongs to a teaching department of the same degree.

An external teacher may be proposed as a co-director, in which case a member of the UdL teaching staff must perform as a director.

Students of the Double Degree: Degree in Computer Engineering and Degree in ADE:

If you choose the integrated TFG modality, the TFG management or tutoring must be made up of at least two people, one will supervise the ADE TFG part and the other the GEI TFG part. So, one will be a member of a department that teaches the Degree in ADE and the other a member of a department that teaches the Degree in GEI. In the case of an integrated TFG developed in a company, one of these two members of the management or tutoring of the work can be replaced by a supervisor from the company.

Development plan

Proposal

A proposal of the bachelor's thesis may be carried out in the following ways:

- A student's proposal.
- An [enterprise's](#) proposal.

- A department's proposal.
- Proposals carried out within the framework of the convention of [cooperation between university and enterprise](#).
- Projects carried out within the framework of the mobility offered at UdL.

A proposal must be accepted by the director (or the co-director) and the coordinator of the degree. In order to enrol in the bachelor thesis it is necessary to have already passed 180 credits.

Enrolment

The enrolment allows a student to apply to reading his/her bachelor's thesis in a call during the academic year. In order to enrol in the bachelor thesis it is necessary to present its [proposal](#).

Enrolment may be processed during two periods along the academic year:

- At the beginning of the first quarter.
- At the beginning of the second quarter.

Dates and requirements for presenting the bachelor's thesis can be found at the following link: http://www.eps.udl.cat/secretaria/treballs_finals/treballs_finals.html

Students of the Double Degree: Degree in Computer Engineering and Degree in ADE:

Proposal: To submit the proposal, you must have passed 275 credits.

Enrollment: Enrollment for the GEI TFG must be done in the first term, at the beginning of the first semester.

Evaluation

The bachelor's thesis will be assessed following continuous assessment methodology. Corresponding marks of different items will be collected by the director through Continuous Assessment Portfolio of the BT, available at [this link](#).

The final mark will be based on the marks of the following four items:

- Initial report (10%) which shows assimilation of the aims and context of the BT to carry out. It is assessed by the director.
- Follow-up report (10%) which presents evolution of the BT and decisions made. It is assessed by the director.
- Final document of the BT (50%). It is assessed by the director.
- Presentation and defense of the BT in front of an examination committee (30%). The student will present his/her project and defend it publically answering committee's questions.

Students of the Double Degree: Degree in Computer Engineering and Degree in ADE:

In the case of choosing the integrated TFG modality, the TFG defense will be carried out before a court made up of three people, one of whom must be a member of a teaching department teaching the degree in ADE and another must be a member of a department teaching the Degree in GEI.