



Universitat de Lleida

DEGREE CURRICULUM  
**BACHELOR'S THESIS**

Coordination: BARTOLI SOLER, ESTHER

Academic year 2023-24

## Subject's general information

<b>Subject name</b>	BACHELOR'S THESIS			
<b>Code</b>	102363			
<b>Semester</b>	UNDEFINED			
<b>Typology</b>	Degree	Course	Character	Modality
	Not informed	4	COMPULSORY	Attendance-based
<b>Course number of credits (ECTS)</b>	15			
<b>Type of activity, credits, and groups</b>	<b>Activity type</b>	TFG		
	<b>Number of credits</b>	15		
	<b>Number of groups</b>	1		
<b>Coordination</b>	BARTOLI SOLER, ESTHER			
<b>Department</b>	INDUSTRIAL AND BUILDING ENGINEERING			
<b>Important information on data processing</b>	Consult <a href="#">this link</a> for more information.			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
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## 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 Mechanical 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

### Basic

B02 That students know how to apply their knowledge to their work or vocation in a professional manner and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.

B03 That students have the ability to gather and interpret relevant data (usually within their area of study) to make

judgments that include a reflection on relevant social, scientific or ethical issues.

B04 That students can transmit information, ideas, problems and solutions to a specialized and non-specialized public.

B05 That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

## General competences

CG4. To solve problems with initiative, make decisions, creativity, critical reasoning and to communicate and transmit knowledge, skills and abilities in the field of Industrial Chemical Engineering.

CG5. To carry out measurements, calculations, valuations, appraisals, surveys, studies, reports, work plans and other analogous work.

CG11. To understand and apply the necessary legislation in the exercise of the profession of Industrial Chemical Engineer.

## Specific competences

CE23. To be able to develop an original and individual project, and to present and defend it in front of a university court, consisting of a project in the field of chemical engineering of a professional nature, in which all the competences are integrated and synthesized.

## Transversal

CT5. To apply essential notions of scientific thinking.

## Methodology

Every bachelor's thesis is directed by a director or two co-directors. The director or one of the codirectors 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.

## Development plan

### Proposal

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

- A student'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 approved by the director (or the co-director) and the coordinator of the degree.

### Enrolment

The enrolment allows a student to apply to reading his/her bachelor's thesis in a call during the academic year.

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.

## Evaluation

The bachelor's thesis will be assessed following continuous assessment methodology. 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.