

**Separation and Purification Processes**

Code: 100959  
ECTS Credits: 6

Degree	Type	Year	Semester
2500253 Biotechnology	OB	3	1

**Contact**

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**Use of languages**

Principal working language: catalan (cat)  
Some groups entirely in English: No  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: No

**Prerequisites**

It is recommended to have the foundations of bioprocess engineering achieved

**Objectives and Contextualisation**

The study of the different separation processes used in biotechnology, its theoretical basis, the dimensioning of the equipment and the development of the strategies and the sequences to be applied according to the product to obtain.

**Content**

1. Introduction.
2. Filtration.
3. Centrifugation and sedimentation.
4. Cell disruption.
5. Liquid-liquid extraction.
6. Adsorption.
7. Chromatography.
8. Membrane separation processes.
9. Precipitation.
10. Crystallization.
11. Drying.