

ECTS INFORMATION PACK YEAR 07-08

1. INFORMATION ABOUT THE MOBILITY COORDINATOR

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2. DESCRIPTION OF THE FACULTY OF OENOLOGY

Courses taught at the Faculty of Oenology

Degrees:
- Biotechnology
- Agricultural Engineering (Agro-food industries)
- Oenology (second cycle)

Website of the Faculty of Oenology

<http://wwwa.urv.net/centres/enologia/>

Website of the Department of Biochemistry and Biotechnology

<http://bioquimica.urv.cat>

3. DESCRIPTION OF THE BIOTECHNOLOGY PROGRAMME

Minimum length of the programme: 4 years

University credits: 240 (173 compulsory and core, 43 optional and 24 free-choice)

* Credits are used as units of evaluation in teaching programmes. Each subject in the curriculum is assigned a certain number of credits. The award of credits is subject to the systems of the University for verifying the acquisition of knowledge.

For the University's own subjects adapted to the EHEA system, which follow the teaching methodology of the ECTS system, 25-30 hours of a student's workload are equivalent to 1 credit.

Curricula are divided into:

1. Core subjects. These are set by the Spanish Ministry of Education and Culture, and must be included in all curricula leading to the award of the same official certificate.
2. Compulsory subjects. These subjects are freely set by each University and are an obligatory component of a student's degree course.
3. Optional subjects. These subjects are set by each University. They are part of the University's curricula and students may select from a wide range of subjects available.
4. Free-choice subjects. Part of the teaching load on all University curricula must consist of free-choice credits.

Recommended sequence of courses

COMPULSORY AND CORE SUBJECTS

FIRST YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
Algebra	4.5	4	Chemistry II	7.5	6
Calculus	6	5	Biochemical Engineering I	4.5	4
Physics	6	5	Biochemistry	9	7
Chemistry I	7.5	6	Genetics	6	5
Cell Biology	7.5	6	Microbiology I	7.5	6

SECOND YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
Computer Science	6	5	Statistics	4.5	4
Enzymology	6	4	Thermodynamics and Chemical Kinetics	6	5
Molecular Genetics	7.5	6	Basic Instrumental	4.5	4

Microbiology II	4.5	4	Techniques Biochemical Engineering II	7.5	6
Animal Physiology	6	5	Plant Physiology	6	5
Economy and Business Management	4.5	3			

THIRD YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
Advanced Instrumental Techniques	4.5	4	Biocomputing	6	5
Bioreactors	7.5	6	Virology	4.5	4
Molecular Genetic Engineering	7.5	6	Immunology	6	5
Protein Chemistry and Engineering	7.5	6	Biotechnological Processes and Products I	6	4
Proteomics	4.5	4	Biotechnological Processes and Products II	4.5	4
Cell cultures	4.5	4	Legal and Social Aspects of Biotechnology	6	4

FOURTH COURSE

<u>Annual subjects</u>	URV credits	ECTS credits
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Practical work experience in companies or institutions related to biotechnology	18	15
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OPTIONAL SUBJECTS

A wide variety of subjects can be chosen from the following fields: Molecular Biotechnology and Biomedicine Biotechnology of Food Industrial Biotechnology and the Environment	54 URV credits	40 ECTS credits
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FREE-CHOICE SUBJECTS

Free-choice subjects (throughout the four years)	30 URV credits	24 ECTS credits
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