

MASTER OF BIOTECHNOLOGY

Genes, Cells, Development and Evolution (GCDE)

Master's degree offered by Université de Paris-Sud 11



Partner institutions

Agrocampus de Rennes
University of Natural Sciences HCMC.

Description

This program aims to train future researchers or managers in R&D departments of companies operating in the field of biotechnology and health, or working in research institutes or universities.

The program provides students with a solid background in specialized subjects through a multidisciplinary approach and working methods enabling students to complete their research projects effectively during their practical training in year 2 (M2).

Training scheme

This program is delivered full-time on-campus, in English.

It consists of 4 semesters and a four-month foundation course aiming at improving the students' English proficiency as well as giving them an introduction to French.

M1	S1	Foreign language 1: French
		Foreign language 2: English
M1	S1	Molecular Biology of Eukaryotes
		Cell cycle and cells potentialities
M1	S1	Genetic and microbial physiology
		Practical courses I (Transposon mutagenesis in <i>E.coli</i>)
M1	S2	Control of Genes expression
		Biodiversity of Microorganisms and Evolution
M1	S2	Fundamental Virology
		Human genetics
M1	S2	Quantitative and multifactor Genetics
		Practical courses II (Molecular characterization of <i>E.coli</i> mutants)
M2	S3	Biology of populations and Evolution
		Practical courses III (Biochemical analysis of β -Galactosidase)
M2	S3	Regulation of gene expression in microorganisms
		Research Project designing
M2	S4	Biotechnological tools
		Biotechnological Applications
M2	S4	Internship and Master Thesis

Selection procedure

- **Stage 1:** pre-selection of applications
- **Stage 2:** written exam (critical reading of a scientific text and multiple-choice questionnaire) and interview of candidates.

Application forms can be downloaded from the PUF website : www.puf.edu.vn or picked up from PUF-HCM's academic office.



Admission requirements

Applicants must have a four-year Bachelor degree or a French Licence in bio-sciences or related fields.

Tuition fees

\$2.000/year.

Merit Scholarships

- **Internship scholarships:** intended for the best students in M2 wishing to undertake an internship in France.
- **Academic scholarships:** scholarships covering all or part of a student's fees for the second year can also be awarded to certain students, selected by merit, at the end of the first year.

Enrolment calendar

Deadline for application form submission:	31 st May
Interview:	June
Registration:	July
Language preparation course:	July till October
Beginning of academic course:	End of October



Contact:

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